

Item Layouts and Answer Variations Guide

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About Layouts

Layouts in the Item Tracking System (ITS) determine the orientation of the stimulus and items as they appear in the Student Testing Site or any other application that uses the TDS Blackbox. Some layouts may accommodate multiple items, but they can only accommodate one stimulus. Other layouts may consist of one or more items *without* a stimulus. The type of layout you select for a test screen depends on the following factors:

- Item Type
- Number of Items
- Association with a stimulus
- Stimulus Type
- Item Bank

The text in item stems, response options, and passages is always left-aligned, but the area containing it may not be. For example, a left-aligned response option could appear in the center of the screen if it is part of a horizontal or stacked Multiple-Choice item layout in which the group of response options is centered.

Many single-item layouts are limited to a maximum width of 40 ems to maintain consistency between small and large monitors. They also have a minimum width of 200 pixels.



Layouts 1, 11, 13, 17, 21–27 do not follow this rule:

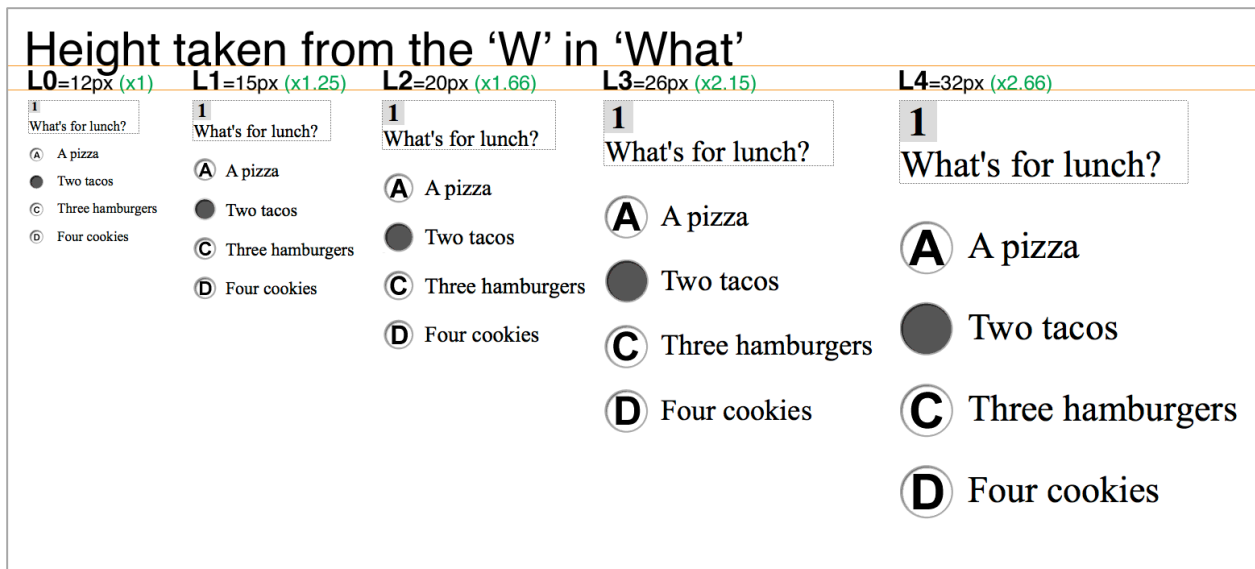
- Layouts 1, 13, and 22 do not have a maximum width.
- Layouts 11, 17, 21, and 23–27 fill 100% of the screen because these layouts are divided into two scrollable sections.

Font Sizes & Measurements in this Document

Unless otherwise indicated, measurements in figures use “em” units, which correspond to the width of a single “M” character. This unit is used for consistency purposes to account for instances where zoom is applied. The normal zoom level of text is 1.2 ems (about 12 pixels). Zoom text multiplies the base level of the font. There are 5 zoom levels: Level 0 (default) through 4. The figure below displays the zoom levels and their equivalent pixel heights on screen.

This document does not use point sizes, as points are a measurement strictly for the print medium and can vary in size from one screen to another.

Zoom Levels



About Stimuli Types

A stimulus may be associated with one or more items. When items are part of a layout which includes a stimulus, they will all have the same structure: stem followed by response. The type of stimulus also determines which layout you should use. Stimuli may consist of the following:

- Reading Passage
- Illustration/Graphic/Table/Chart
- Audio/Video Recording
- Animation

About Item Types and Response Areas

Most items consist of a stem and a response area (except Cloze items, which combine the stem with the response area). Stems tend to be homogenous across item types, but the response areas vary greatly. Each item type may be used with any available layout. However, certain layouts are not recommended for Grid items, Scratch Pad items, and Simulation items, because these items have response areas with a fixed width.

Elicited Response

For Elicited Response items, an on-screen widget indicates instances of recording and playback. The widget's appearance depends on its current state.



Selected Response Items

There are several types of Selected Response item types, including Multiple-Choice, Multi-Select, Picture-Click, and Evidence-Based Selected Response items.

Multiple-Choice and Multi-Select items

Multiple-Choice and Multi-Select items use the same item layouts. There are three item layout variations for these item types: Vertical, Stacked, and Horizontal.

Clockwise from Top Left: Vertical, Stacked, Horizontal







Picture-Click Items

Picture-Click items display graphics for response options, rather than text. These item types use the same variations as standard Multiple-Choice item types (Stacked, Vertical, and Horizontal).

6

Which picture has more than 0.75 shaded?

(A)  (B)  (C)  (D) 

Evidence-Based Selected Response (EBSR) Items

EBSR items combine two sets of stems and response options into a single item. Unlike Multiple-Choice and Multi-Select item types, EBSR items cannot be displayed in horizontal or stacked layouts. EBSR items can only display response options vertically.

Part A

What does the word "lethargic" mean in the second paragraph of the passage?

(A) Sick
(B) Tired
(C) Sad
(D) Late

Part B

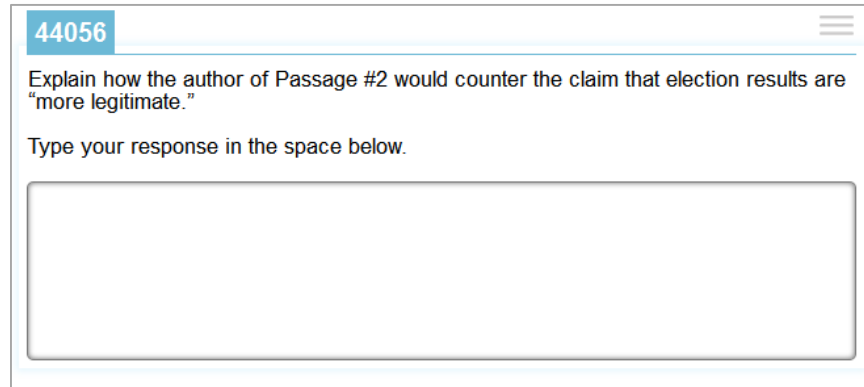
Select two other words in the passage that led you to this conclusion.

Weak
 Darkness
 Drifting
 Blinked

Short & Extended Answer Items

The response areas for Short Answer and Extended Answer item types essentially have the same appearance. Extended Answer response areas accommodate more text than Short Answer response areas. You can configure the character limit for both item types.

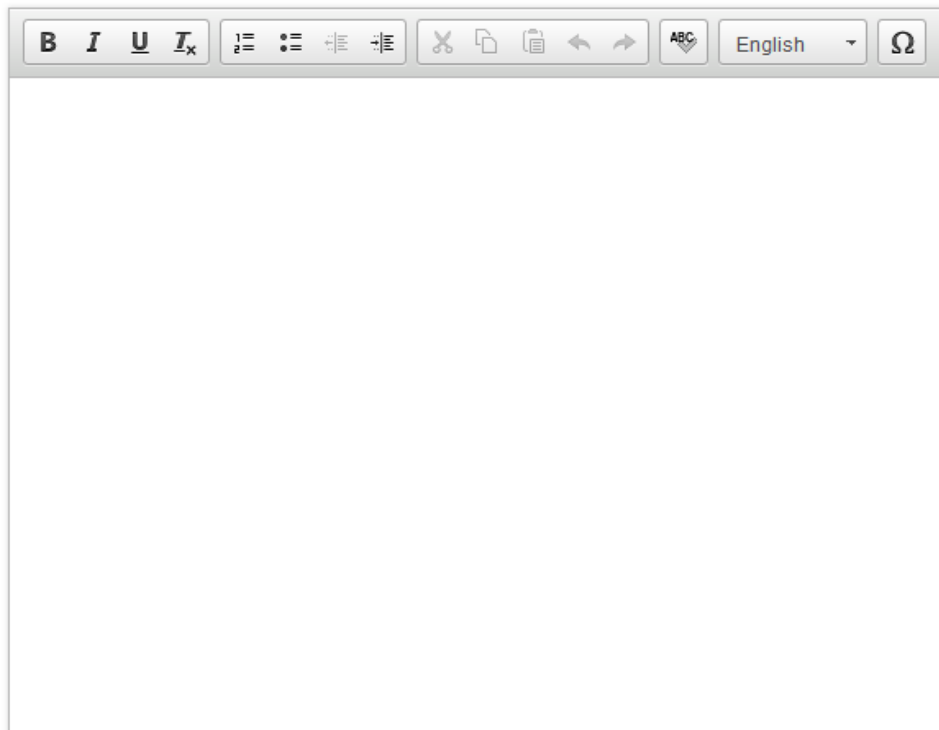
Short Answer Item



A screenshot of a Short Answer Item interface. At the top left, there is a blue box containing the ID number "44056". To the right of this box is a hamburger menu icon. Below the ID box, the question text reads: "Explain how the author of Passage #2 would counter the claim that election results are 'more legitimate.'" Underneath the question, there is a prompt: "Type your response in the space below." Below the prompt is a large, empty rectangular text input area.

HTML Editor Items

HTML Editor items are a type of written response item that include a Javascript text area designed to allow for rich text formatting. It is as wide as its container, which is normally about 481 pixels wide in the default layout. HTML Editor items typically use Layout 1.

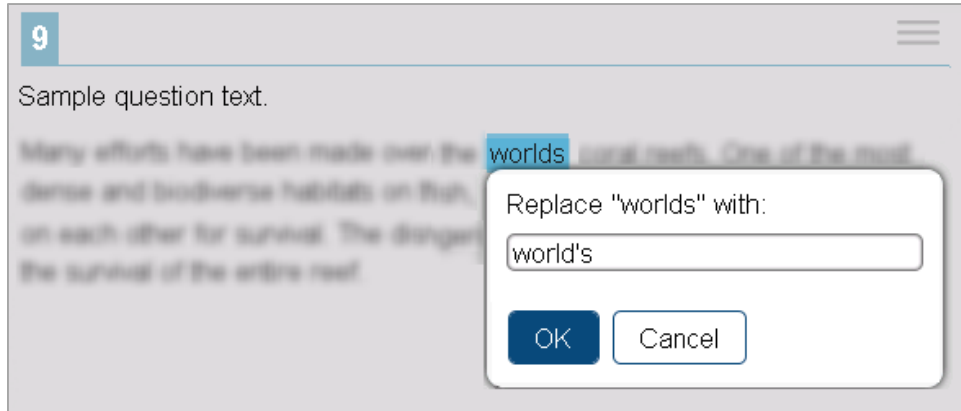


A screenshot of an HTML Editor interface. The top of the editor features a toolbar with various icons for text formatting and editing. The icons include bold (B), italic (I), underline (U), strikethrough (I_x), bulleted list, numbered list, indent, and outdent. There are also icons for cut, copy, paste, undo, and redo. To the right of the editing icons is a language dropdown menu set to "English" and a "W" icon. Below the toolbar is a large, empty rectangular text input area.

Edit Task Items

The Edit Task item response area consists of a section of text containing highlighted interactive words that students can modify via a modal window. Edit Task items require students to enter the response in a text box. Edit Task Choice items require students to select a response from a options in a drop-down list. The interactive text cannot exceed 28 characters (including spaces) for Edit Task Choice items, due to the width of the drop-down list. The text passage can be any size, as it uses 100% of the window's width.

Edit Task Item



9

Sample question text.

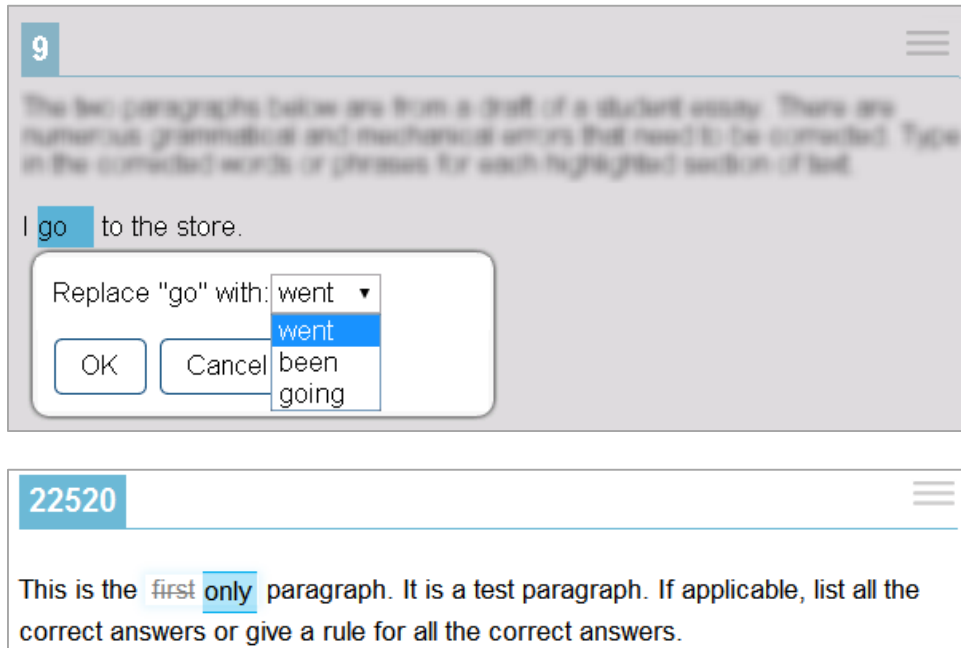
Many efforts have been made over the **worlds** local reefs. One of the most dense and biodiverse habitats on Earth, on each other for survival. The danger the survival of the entire reef.

Replace "worlds" with:

world's

OK Cancel

Edit Task Choice Item



9

The two paragraphs below are from a draft of a student essay. There are numerous grammatical and mechanical errors that need to be corrected. Type in the corrected words or phrases for each highlighted section of text.

I **go** to the store.

Replace "go" with:

went
went
been
going

OK Cancel

22520

This is the **first** **only** paragraph. It is a test paragraph. If applicable, list all the correct answers or give a rule for all the correct answers.

Matching Items

The response area for Match items may appear in Match format or Table Match format. The latter format is more common for this item type. Both formats use Layout 8. Match items in Match format have a minimum width of 375 pixels (22 ems) at default zoom level.

Match Format

44419

Match the words in the left column with their synonyms in the right column.

Happy	Despondent
Sad	Famished
Angry	Elated
Hungry	Weary
Tired	Irate

Table Match Format

44420

For each number listed in the rows of the table, mark the checkboxes for each column that describes that number.

	Perfect Square	Prime Number	Odd Number
5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Hot Text Items

The response area for Hot Text items consists of a section of text containing interactive words or phrases that students can either select (highlight) by clicking or rearrange by clicking and dragging.

44217

Highlight a concern from the Anti-Federalist argument. Then, highlight a portion of the first four amendments that addressed the Anti-Federalist argument.

Amendment 1. Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof; or abridging the freedom of speech, or of the press; or the right of the people peaceably to assemble, and to petition the Government for a redress of grievances.

Amendment 2. A well regulated Militia, being necessary to the security of a free State, the right of the people to keep and bear Arms, shall not be infringed.

Amendment 3. No Soldier shall, in time of peace be quartered in any house, without the consent of the Owner, nor in time of war, but in a manner to be prescribed by law.

Amendment 4. The right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizures, shall not be violated, and no Warrants shall issue, but upon probable cause, supported by Oath or affirmation, and particularly describing the place to be searched, and the persons or things to be seized.

Table Items

The Table item response area consists of a table with cells in which students may enter text.

16451
☰

Valley Forge National Park is located in eastern Pennsylvania, in an area that has many caves. Caves form in limestone when Earth's systems interact.

Enter numbers 1 through 5 into the table to order the processes of limestone cave formation, with 1 being the oldest process and 5 being the most recent process.

Processes in Cave Formation	Order
Rainwater absorbs carbon dioxide from the air and from decaying plants in soils, creating a weak acid solution.	<input style="width: 100%; height: 20px;" type="text"/>
Cave formations begin to grow as water deposits minerals onto exposed surfaces within the cave.	<input style="width: 100%; height: 20px;" type="text"/>
Acidic groundwater flows into and between layers of limestone bedrock, dissolving the rock and widening cracks.	<input style="width: 100%; height: 20px;" type="text"/>
Limestone is formed during sedimentation in the ocean and in some lakes.	<input style="width: 100%; height: 20px;" type="text"/>
Rain falls onto the plants and soil that covers layers of limestone bedrock.	<input style="width: 100%; height: 20px;" type="text"/>

Equation Items

The Equation item response area consists of one or more entry boxes and an on-screen keyboard containing mathematical characters. These items are 769 pixels wide or use 100% of the available response area width (whichever is smaller). The default height is 254 pixels.

44471
☰

Use the quadratic formula to find the values of x for the following equation:

$$y = x^2 + 2x - 3$$

X =

X =

← → ↶ ↷ ✕

1	2	3	x	y			
4	5	6	+	-	*	÷	
7	8	9	<	≤	=	≥	>
0	.	$\frac{\square}{\square}$		()			

Cloze Items

The response area for Cloze item types differs slightly from other item types because it is combined with what is normally considered to be the item stem.

The children are .

Cloze responses can include a full QWERTY keyboard, an alphabetically ordered keyboard, a partial keyboard, or no on-screen keyboard (requiring students to use the actual keyboard).

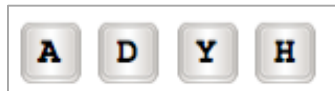
QWERTY Keyboard



Alpha Keyboard




Partial Keyboard



Scaffolding Items

Scaffolding items use Layout 25, occupying 70% of the screen on the right side. Scaffolding item response areas consist of interactive cards and audio cues. Each card is 170 pixels wide by 204 pixels tall at default zoom level. The images in the cards must be within these measurements and should be the same size for all response options. Only two to three response option cards are allowed for these item types, but this may change in the near future.

SOFT PRETZELS



Making soft pretzels is something easy and fun to do after school. You need to gather just six ingredients. You use math to measure the ingredients. You need to mix the ingredients together. Then, you need to make the pretzel shapes and bake them.








First, you must gather your ingredients. Most ingredients can be found at home. You need four cups of flour, one cup of water, a tablespoon each of salt and sugar, a package of yeast, and an egg. After gathering the ingredients, take the egg and break it into a small bowl. Beat the egg and set it aside for later. Next, mix the yeast, water, sugar, and flour in a large bowl. Keep mixing until dough is formed.

Now it is time for the fun part! Take pieces of the dough and make shapes with them. You can roll out a piece of dough to make a long, twisty soft pretzel. You can flatten out the dough and cut out a circle to make a cookie-shaped pretzel. You can even make a soft pretzel shaped like a donut! Then take the pretzel shapes and place them on a cookie sheet.

Remember that egg you set aside? Now is the time to use it. Brush some egg on top of each pretzel shape, and then sprinkle the pretzel with salt. The egg will act like glue and help the salt stick to the pretzels. The pretzels are ready for the oven. Place the cookie sheet in the oven and bake the pretzels. After fifteen minutes, remove the baking sheet from the oven and let the pretzels cool for five minutes. The final step? Eat the pretzels! Enjoy.

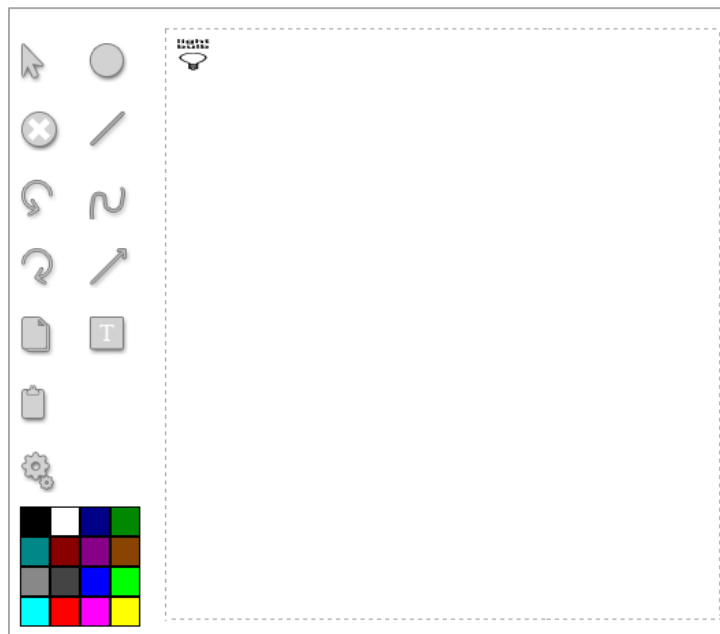
1

We're going to read about how to make soft pretzels. Show me, why does the author think making soft pretzels is easy?



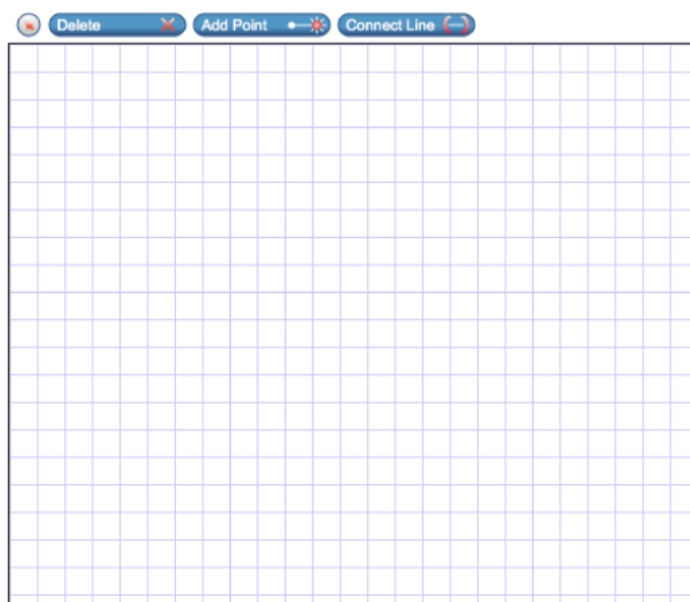
Scratch Pad Items

The Scratch Pad item response area consists of a canvas in which students can create drawings. You should only use these items in Layouts 13, 21, and 22 because their width is not flexible.



Grid Items

The Grid item response area consists of a grid in which students can select objects, place objects, and construct graphs. Each grid area is usually 550 pixels tall by 650 pixels wide, depending on the layout (in layout 21 the grid is 465 x 575). Because the width of Grid items is not flexible, you should only use these items in Layouts 13, 21, and 22.



Simulation Items

The response area for Simulation items consists of one or more input tools, an interactive animation, and an output table that populates with data when students run animations. These items may also function like stimuli and be associated with other items. Each Simulation response area is 6500 pixels tall, and the width is determined by the layout. Simulation items can only be used in Layouts 28, 29, 30, and 31.

- In Layout 28, the item occupies 70% of the screen’s width, 90% when expanded.
- In Layout 29, the item occupies 38% of the screen’s width, 90% when expanded.
- In Layout 30, the left column is 300 pixels and the Simulation uses the remaining width of the screen on the right side.
- In Layout 31, the item occupies 100% of the screen’s width.

98754
☰

This investigation tests the ability of pepsin to digest egg protein in different solutions and at different temperatures. Select one or more solutions and choose a temperature. Then click Start. Results will be recorded in the table. Clear results show that protein was digested. Cloudy results show that protein was not digested.

Perform a controlled experiment testing the hypothesis that the human body requires both pepsin and acid to digest proteins.

When you are done, click Next to submit your answer.

Variable: Object	Result: Lightbulb	
Aluminum Foil	lit	🗑️
Eraser	not lit	🗑️

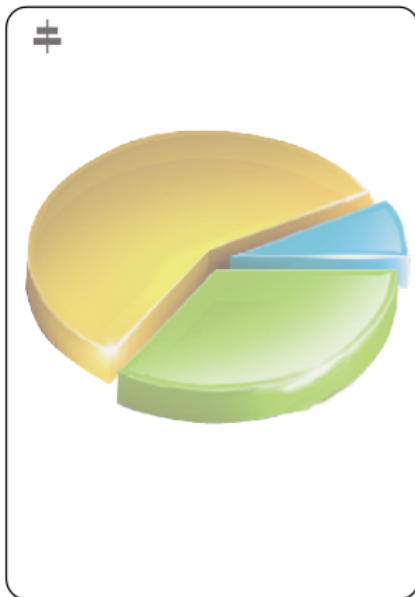
Item Layouts

This section provides sample diagrams for each layout. The captions for these diagrams follow the format “Layout Number: Item Type.” This does not mean that the corresponding layout is used exclusively for that item type; it simply indicates what item type is used in the sample.

Layout 1

Layout 1 does not have a maximum width.

Layout 1: Elicited Response



Illustration

15

Vivamus at sapien ut quam ornare egestas. Quisque vehicula condimentum fermentum. Donec dui dui, adipiscing a mollis nec, volutpat a sapie?

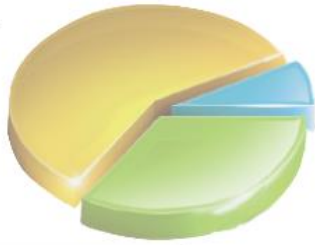
Stem

- A dolor sit amet
- B consectetur
- C adipiscing
- D elit

Response

Layout 2


Layout 2: Vertical Multiple-Choice Item

<p>15</p> <p>Vivamus at sapien ut quam ornare egestas. Quisque vehicula condimentum fermentum. Donec dui dui, adipiscing a mollis nec, volutpat a sapie?</p>	
Stem	Illustration
<p>A dolor sit amet</p> <p>B consectetur</p> <p>C adipiscing</p> <p>D elit</p>	
Response	

Layouts 3 & 4

Layout 3 and Layout 4 are essentially the same layout. Original specifications called for varying percentages for the split between left and right sides of the layout, but this created an undesirable effect in the item content.

Layout 3: Vertical Multiple-Choice Item

<p>15</p> <p>Vivamus at sapien ut quam ornare egestas. Quisque vehicula condimentum fermentum. Donec dui dui, adipiscing a mollis nec, volutpat a sapie?</p>	<p>A dolor sit amet</p> <p>B consectetur</p> <p>C adipiscing</p> <p>D elit</p>
Stem	Response
	
Illustration	

Layout 5

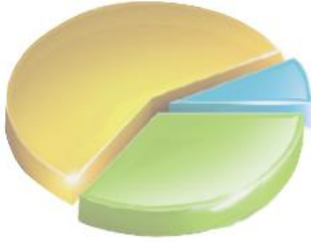
Layout 5: Horizontal Multiple-Choice Item

9

Donec tincidunt, lorem a tincidunt aliquet, ligula lorem euismod lectus. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue.

Stem

+



Illustration

+

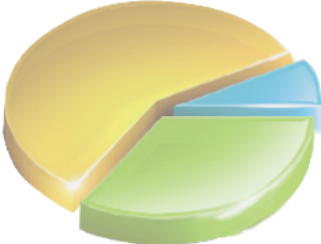
(A) Aenean erat (B) Phasellus faucibus (C) Vivamus at (D) Duis congue

Response

Layout 6

Layout 6: Horizontal Multiple-Choice Item

+



Illustration

9

Donec tincidunt, lorem a tincidunt aliquet, ligula lorem euismod lectus. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue.

Stem

+

(A) Aenean erat (B) Phasellus faucibus (C) Vivamus at (D) Duis congue

Response



Layout 8



Layout 8: Stacked Picture-Click Item

9

Donec tincidunt, lorem a tincidunt aliquet, ligula lorem euismod lectus. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue.

Stem

A  C 

B  D 

Response

Layout 11

Layout 11 has been discontinued. This layout occupies 100% of a user's screen, dividing it 60/40 horizontally between the passage and sets of questions.



For all new split-panel layouts, please use Layouts 17 and up.


Layout 12

Layout 12: Extended Answer Items


Directions: Choose only one Integer mauris nisi, mattis et hendrerit hendrerit, condimentum sed lorem. Sed ac massa eu metus pulvinar vehicula. Donec adipiscing laoreet mi, hendrerit laoreet tellus feugiat ac. Nunc ipsum nibh, rutrum non ornare in, volutpat ut felis. Nulla sit amet enim eu nisl aliquam interdum sed fermentum dolor. Etiam tempus, dolor quis adipiscing dapibus, enim nunc mollis dui, et consequat elit neque sit amet leo.

Vivamus bibendum purus in eros accumsan placerat. Quisque vel nisl lectus. Phasellus eros dui, dapibus quis feugiat in, pharetra eu lectus. Maecenas sit amet massa et augue cleifend bibendum. Nullam ornare, dolor sit amet adipiscing iaculis, metus quam volutpat massa, in tincidunt arcu ante at velit. Pellentesque in leo vitae velit gravida ultricies.







<input type="checkbox"/> Aenean eu lorem sit amet mauris vulputate porttitor 1	<input type="checkbox"/> Vivamus sagittis, nisi in euismod fermentum, neque Vivamus sagittis Praesent sollicitudin lacus id neque porttitor pretium. Maecenas nisl arcu, bibendum et lacinia id, vulputate commodo purus. 3
<p style="text-align: right;">Stem</p> <p style="text-align: right;">CLICK TO EXPAND </p>	<p style="text-align: right;">Stem</p> <p style="text-align: right;">CLICK TO EXPAND </p>
<input type="checkbox"/> Praesent sollicitudin lacus id neque porttitor pretium. Maecenas nisl arcu, bibendum et lacinia id, vulputate commodo purus. 2	<input type="checkbox"/> Bbibendum et lacinia Praesent sollicitudin lacus id neque porttitor pretium. Maecenas nisl arcu, bibendum et lacinia id, vulputate commodo purus. 4
<p style="text-align: right;">Stem</p> <p style="text-align: right;">CLICK TO EXPAND </p>	<p style="text-align: right;">Stem</p> <p style="text-align: right;">CLICK TO EXPAND </p>

Bbibendum et lacinia Praesent sollicitudin lacus id neque porttitor pretium. Maecenas nisl arcu, bibendum et lacinia id, vulputate commodo purus. 

CLICK TO EXPAND

Change Prompt 

Stem

B *I* U      

0 out of 850 words used.

Response 0/2

Layout 13

Layout 13 does not have a maximum width. The grid component in this layout is 550 pixels tall by 650 pixels wide.

Layout 13: Grid Item

The screenshot displays a digital workspace interface. At the top, there is a header bar with a hamburger menu icon on the left, a small grey box containing the number '9', and another hamburger menu icon on the right. Below the header, the main area is divided into two sections. The upper section, labeled 'Stem' in a grey rounded rectangle at its bottom right, contains two lines of placeholder text: 'Donec tincidunt, lorem a tincidunt aliquet, ligula lorem euismod lectus.' and 'Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue.' The lower section, labeled 'Response' in a grey rounded rectangle at its bottom right, features a blue grid. Above the grid is a toolbar with three buttons: 'Delete' (with a red 'x' icon), 'Add Point' (with a blue star icon), and 'Connect Line' (with a blue double-headed arrow icon). The grid itself is a large, empty square grid with light blue lines.



This layout is only to be used with Grid and Scratchpad items.

Layout 14

Layout 14: Cloze Item

21 



Illustration

 Donec tincidunt, lorem a

A D Y H

Stem & Response

Layout 15

Layout 15: Cloze Item

 21 


Donec tincidunt, lorem a

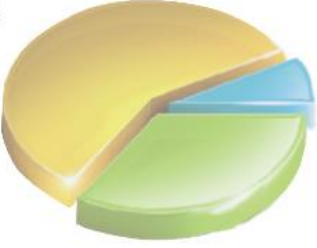
A D Y H

Stem & Response



Layout 16

Layout 16: Cloze Item





Illustration

 21 

Donec tincidunt, lorem a

A D Y H

Stem & Response

Layout 17

Layout 17 occupies 100% of a user's screen, dividing it 60/40 horizontally between a passage and sets of items. Layout 17 replaces Layout 11 and can contain any combination of answer variations. **On a smaller monitor at default zoom level, the item column in Layout 17 would require a horizontal scroll bar to accommodate Grid, Simulation, or Scratch Pad items.**

Layout 17: Multiple Item Types

60%40%

ANNEC BLANDIT ELEIFEND
Donec blandit eleifend urna et interdum. Phasellus sit amet urna justo, vel laoreet lorem. Mauris ullamcorper congue velit at tempor. In tincidunt tincidunt elit, sit amet interdum lacus mollis id.

Mauris interdum fringilla placerat?
CURABITUR AC TORTOR UT arcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. expertsarcu porttitor venenatis.

Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue.

Harcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. Phasellus faucibus aliquet nisl, sed luctus nisl gravida sit amet. whiparcu porttitor venenatis. Curabitur egestas, lacus non dapibus Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue.

Harcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. Phasellus faucibus aliquet nisl, sed luctus nisl gravida sit amet. whiparcu porttitor venenatis. Curabitur egestas, lacus non dapibus

Stimulus

21

Donec tincidunt, lorem a

A D Y H

Cloze

22

Donec tincidunt, lorem a tincidunt
Pellentesque tempor tellus vel arcu

This is some text to be styled.

Short Answer

23

Donec tincidunt, lorem a tincidunt
Pellentesque tempor tellus vel arcu

- A dolor sit amet
- B consectetur
- C adipiscing
- D elit

Multiple Choice (Vertical)

Layout 21

Layout 21 occupies 100% of a user’s screen, dividing it 40/60 horizontally between a passage and sets of items. There is slightly less white space, or padding, between the left and right edges of each major column (10 pixels on each side instead of the normal 20 pixels). On a smaller monitor at default zoom level, the item column in Layout 21 would require a horizontal scrollbar to accommodate Grid, Simulation, or Scratch Pad items.

Layout 21: Multiple Item Types

40%
60%

ANNEC BLANDIT ELEIFEND
Donec blandit eleifend urna et interdum. Phasellus sit amet urna justo, vel laoreet lorem. Mauris ullamcorper congue velit at tempor. In tincidunt tincidunt elit, sit amet interdum lacus mollis id.

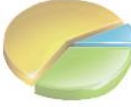
Mauris interdum fringilla placerat?

CURABITUR AC TORTOR UT arcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi conwallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. expertsarcu porttitor venenatis.

Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi conwallis ultricies sit amet id augue.

Harcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi conwallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. Phasellus faucibus aliquet nisl, sed luctus nisl gravida sit amet.whiparcu porttitor venenatis. Curabitur egestas, lacus non dapibus Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi conwallis ultricies sit amet id augue.

Harcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi conwallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. Phasellus faucibus aliquet nisl, sed luctus nisl gravida sit amet.whiparcu porttitor venenatis. Curabitur egestas, lacus non dapibus amet.whiparcu porttitor venenatis. Curabitur egestas, lacus non dapibus Harcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi conwallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. Phasellus faucibus aliquet nisl, sed luctus nisl gravida sit amet.whiparcu porttitor venenatis. Curabitur egestas, lacus non dapibus amet.whiparcu porttitor venenatis. Curabitur egestas, lacus non dapibus Harcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi conwallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. Phasellus faucibus aliquet nisl, sed luctus nisl gravida sit amet.whiparcu porttitor venenatis. Curabitur egestas, lacus non dapibus



21

Donec tincidunt, lorem a

A D Y H

Cloze

22

Vivamus at sapien ut quam ornare egestas. Quisque vehicula condimentum fermentum dui?

B I U X [color] [font-size] [align] [list] [link] [unlink] [undo] [redo] [clear]

This is some text to be styled.

Short Answer

23

Donec tincidunt, lorem a tincidunt Pellentesque tempor tellus vel arcu

(A) dolor sit amet

(B) consectetur

(C) adipiscing

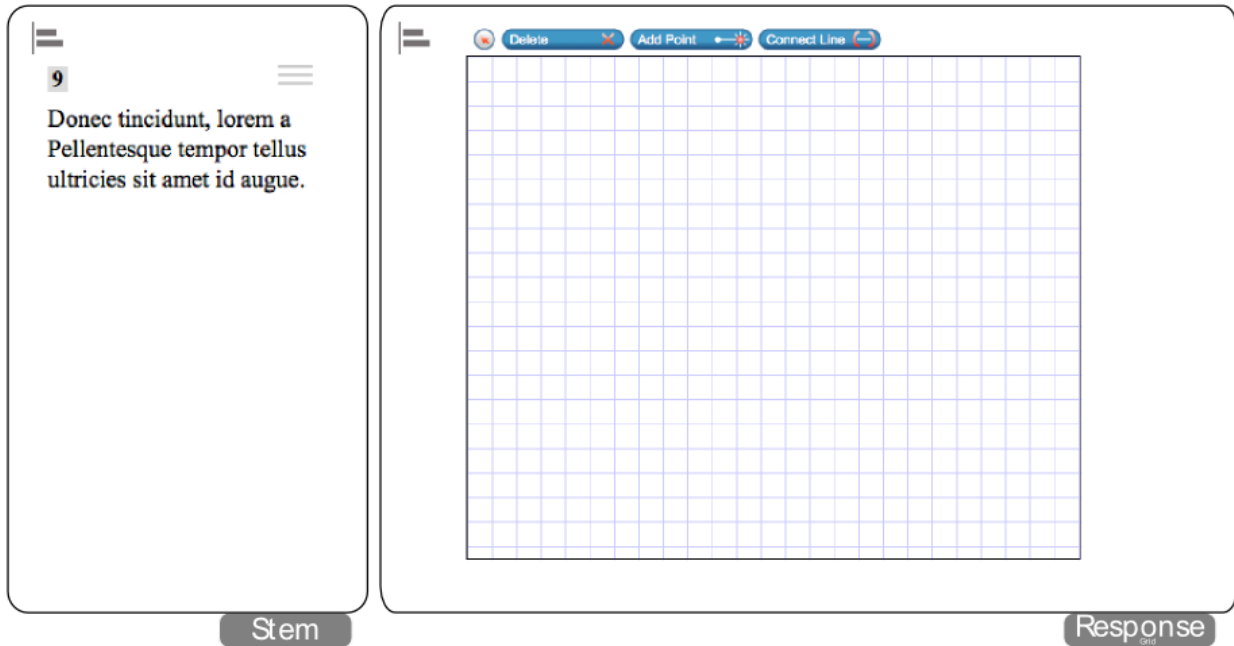
(D) clit

Multiple Choice Grouping

Layout 22

Layout 22 does not have a maximum width. The grid component in this layout is 550 pixels tall by 650 wide. The stem section is 17 ems wide.

Layout 22: Grid Item



The image displays a digital assessment interface with two main sections: 'Stem' and 'Response'. The 'Stem' section on the left contains a question number '9' and a paragraph of placeholder text: 'Donec tincidunt, lorem a Pellentesque tempor tellus ultricies sit amet id augue.' The 'Response' section on the right features a large grid for drawing or writing. Above the grid are three interactive buttons: 'Delete', 'Add Point', and 'Connect Line'. The 'Stem' section is labeled 'Stem' at the bottom, and the 'Response' section is labeled 'Response' at the bottom.



This layout is only to be used with Grid and Scratchpad items.

Layout 23


Layout 23 occupies 100% of a user's screen, dividing it 40/60 vertically between a passage and sets of items.

Layout 23: Multiple Item Types

The diagram illustrates the vertical layout of a user interface. A vertical line on the left is divided into two sections: a top section labeled '40%' and a bottom section labeled '60%'. The 40% section is titled 'Stimulus' and contains two paragraphs of placeholder text and a 3D pie chart. The 60% section contains two multiple-choice questions, labeled '23' and '22'. Question 23 has four options (A, B, C, D). Question 22 has a rich text editor for the answer.

Stimulus

Donec tincidunt, lorem a tincidunt aliquet, ligula lorem euismod lectus.
Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue.



Donec tincidunt, lorem a tincidunt aliquet, ligula lorem euismod lectus.
Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at ultricies sit amet id augue.

23 Donec tincidunt, lorem a tincidunt
Pellentesque tempor tellus vel arcu

- A dolor sit amet
- B consectetur
- C adipiscing
- D elit

Multiple Choice (Vertical)

22 Donec tincidunt, lorem a tincidunt
Pellentesque tempor tellus vel arcu

Rich text editor toolbar with icons for bold, italic, underline, link, unlink, list, and text color. Below the toolbar, the text reads: "This is some text to be styled."

Short Answer

Layout 24 & 29

Layout 24 occupies 100% of a user’s screen, dividing it 38/62 horizontally between a passage and sets of items. There is slightly less white space, or padding, between the left and right edges of each major column—10 pixels on each side instead of the normal 20 pixels. At the default zoom level, Layout 24 is wide enough to accommodate Grid, Simulation, and Scratch Pad items without a horizontal scroll bar.

Layout 29 is similar, but uses a Simulation item instead of a text passage in the left pane.

Layout 24: Multiple Item Types

The image displays a digital reading interface with two main panes. The left pane, labeled 'Stimulus', occupies 38% of the width and contains a text passage titled 'ANNEC BLANDIT ELEIFEND'. The passage includes a pie chart and several paragraphs of text. The right pane, labeled 'Grid', occupies 62% of the width and contains three items:

- Item 21: A cloze item with the text 'Donec tincidunt, lorem a' and a text input field. Below the input field are buttons for 'A', 'D', 'Y', and 'H'. A 'Cloze' label is positioned at the bottom right of the item.
- Item 22: A short answer item with the text 'Vivamus at sapien ut quam ornare egestas. Quisque vehicula condimentum fermentum dui?'. Below the text is a text input field with a toolbar and the text 'This is some text to be styled.'. A 'Short Answer' label is positioned at the bottom right of the item.
- Item 23: A grid item with the text 'Vivamus at sapien ut quam ornare egestas. Quisque vehicula condimentum fermentum dui?'. Below the text is a grid with a toolbar containing 'Delete', 'Add Point', and 'Connect Line' buttons. A 'Grid' label is positioned at the bottom right of the item.

Layout 25

Layout 25 occupies 100% of a user’s screen, dividing it 30/70 horizontally between a passage and sets of items. There is slightly less white space, or padding, between the left and right edges of each column—10 pixels on each side instead of the normal 20 pixels. At the default zoom level, Layout 25 is wide enough to accommodate Grid, Simulation, and Scratch Pad items without a horizontal scroll bar.

Layout 25: Multiple Item Types

30% 70%

ANNEC BLANDIT ELEIFEND
Donec blandit eleifend urna et interdum. Phasellus sit amet urna justo, vel laoreet lorem. Mauris ullamcorper congue velit at tempor. In tincidunt tincidunt elit, sit amet interdum lacus mollis id.

Mauris interdum fringilla placerat?
CURABITUR AC TORTOR UT ARCU PORTTITOR VENENATIS. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. expertsarcu porttitor venenatis.

Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue.

Harcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. Phasellus faucibus aliquet nisi, sed luctus nisi gravida sit amet. whiparcu porttitor venenatis. Curabitur egestas, lacus non dapibus Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue.

Harcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. Phasellus faucibus aliquet nisi, sed luctus nisi gravida sit amet. whiparcu porttitor venenatis. Curabitur egestas, lacus non dapibus amet. whiparcu porttitor venenatis. Curabitur egestas, lacus non dapibus

Harcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. Phasellus faucibus aliquet nisi, sed luctus nisi gravida sit amet. whiparcu porttitor venenatis. Curabitur egestas, lacus non dapibus

21 Donec tincidunt, lorem a
A D Y H Cloze

22 Vivamus at sapien ut quam ornare egestas. Quisque vehicula condimentum fermentum dui?

This is some text to be styled. Short Answer

23 Vivamus at sapien ut quam ornare egestas. Quisque vehicula condimentum fermentum dui?
Grid

Layout 26

Layout 26 occupies 100% of a user's screen, dividing it 50/50 horizontally between a passage and sets of items. There is slightly less white space, or padding, between the left and right edges of each column—10 pixels on each side instead of the normal 20 pixels. **At the default zoom level on a smaller sized monitor, the item column in Layout 26 would require a horizontal scroll bar to accommodate Grid, Simulation, or Scratch Pad items.**

Layout 26: Multiple Item Types

The screenshot displays a digital interface with two columns, each labeled '50%' at the top. The left column contains a stimulus passage titled 'ANNEC BLANDIT ELEIFEND' with a pie chart and several paragraphs of placeholder text. The right column contains three assessment items, each in a separate box with a 'Close' button. Item 21 is a cloze question with a text input field and buttons for 'A', 'D', 'Y', and 'H'. Item 22 is a short answer question with a rich text editor showing 'This is some text to be styled.' Item 23 is a vertical multiple-choice question with four radio button options: (A) dolor sit amet, (B) consectetur, (C) adipiscing, and (D) elit. The interface includes scroll bars on the right side of each column.

50%

ANNEC BLANDIT ELEIFEND
Donec blandit eleifend urna et interdum. Phasellus sit amet urna justo, vel laoreet lorem. Mauris ullamcorper congue velit at tempor. In tincidunt tincidunt elit, sit amet interdum lacus mollis id.

Mauris interdum fringilla placerat?
CURABITUR AC TORTOR UT arcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. expertsarcu porttitor venenatis.

Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue.

Harcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. Phasellus faucibus aliquet nisl, sed luctus nisl gravida sit amet.whiparcu porttitor venenatis. Curabitur egestas, lacus non dapibus fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue.

Harcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. Phasellus faucibus aliquet nisl, sed luctus nisl gravida sit amet.whiparcu porttitor venenatis. Curabitur egestas, lacus non dapibus

Stimulus

50%

21

Donec tincidunt, lorem a

A D Y H

Cloze

22

Donec tincidunt, lorem a tincidunt
Pellentesque tempor tellus vel arcu

B I U X #

This is some text to be styled.

Short Answer

23

Donec tincidunt, lorem a tincidunt
Pellentesque tempor tellus vel arcu

(A) dolor sit amet
(B) consectetur
(C) adipiscing
(D) elit

Multiple Choice (Vertical)

Layout 27 & 28

Layout 27 occupies 100% of a user’s screen, dividing it 70/30 horizontally between a passage and sets of items. There is slightly less white space, or padding, between the left and right edges of each column—10 pixels on each side instead of the normal 20 pixels. **At the default zoom level on a smaller sized monitor, the item column in Layout 27 would require a horizontal scroll bar to accommodate Grid, Simulation, or Scratch Pad items.**

Layout 28 is similar, but uses a Simulation item instead of a text passage in the left pane.

70%
30%

ANNEC BLANDIT ELEIFEND
Donec blandit eleifend urna et interdum. Phasellus sit amet urna justo, vel laoreet lorem. Mauris ullamcorper congue velit at tempor. In tincidunt tincidunt elit, sit amet interdum lacus mollis id.

Mauris interdum fringilla placerat?
 CURABITUR AC TORTOR UT arcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. expertsarcu porttitor venenatis.

Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue.

Harcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. Phasellus faucibus aliquet nisl, sed luctus nisl gravida sit amet. whiparcu porttitor venenatis. Curabitur egestas, lacus non dapibus Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue.

Harcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. Phasellus faucibus aliquet nisl, sed luctus nisl gravida sit amet. whiparcu porttitor venenatis. Curabitur egestas, lacus non dapibus

Harcu porttitor venenatis. Curabitur egestas, lacus non dapibus tincidunt, lacus est adipiscing sem, et fermentum est felis commodo leo. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue. Sed sollicitudin feugiat sollicitudin. Phasellus faucibus aliquet nisl, sed luctus nisl gravida sit amet. whiparcu porttitor venenatis. Curabitur egestas, lacus non dapibus

21

Donec tincidunt, lorem a

A D Y H

Cloze

22

Donec tincidunt, lorem a tincidunt Pellentesque tempor tellus vel arcu

B I U X #

This is *some text* to be styled.

Short Answer

23

Donec tincidunt, lorem a tincidunt Pellentesque tempor tellus vel arcu

A dolor sit amet

B consectetur

C adipiscing

D elit

Multiple Choice (Vertical)

Stimulus
Multiple Choice (Vertical)

Layout 30

Layout 30 does not have a maximum width. The Simulation item is 650 pixels tall and fills the remainder of the screen not occupied by the stem. The stem is 290 pixels wide.

9

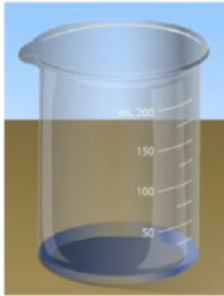
Donec tincidunt, lorem a Pellentesque tempor tellus ultricies sit amet id augue.

Stem

Number of Chalk Pieces
1 piece

Surface Area of Chalk
 Whole
 Halves
 Pieces
 Crushed

Amount of Vinegar
50 mL
Start



Clear All Rows

Number of Chalk Pieces	Surface Area of Chalk	Amount of Vinegar (mL)	Reaction Rate

Response

Layout 31

Layout 31 does not have a maximum width. The Simulation item, located below the stem, is 650 pixels tall and fills the width of the screen. The stem fills the width of the screen and can be any height.

9

Donec tincidunt, lorem a tincidunt aliquet, ligula lorem euismod lectus. Pellentesque tempor tellus vel arcu posuere a dictum ligula dictum. Sed at sapien ut nisi convallis ultricies sit amet id augue.

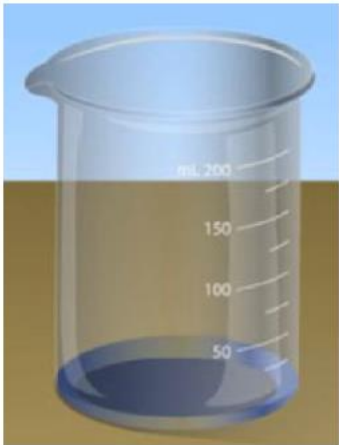
Stem

Number of Chalk Pieces
1 piece

Surface Area of Chalk
 Whole
 Halves
 Pieces
 Crushed

Amount of Vinegar
50 mL

Start



Clear All Flows

Number of Chalk Pieces	Surface Area of Chalk	Amount of Vinegar(mL)	Reaction Rate

Response

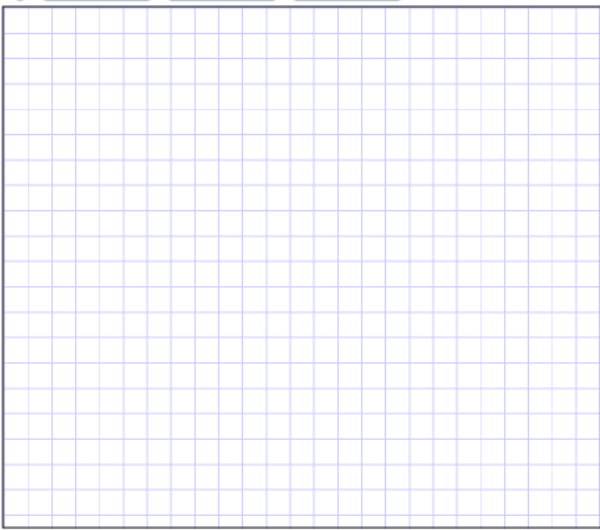
Layout 32 & 33

Layout 32 occupies 100% of a user's screen, with 20 pixels of white space, or padding, on all sides. This layout accommodates multiple items but no passage.

Layout 33 is similar, but supports Grid items.

Layout 33: Multiple Item Types

21



Response

22

- A dolor sit amet
- B consectetur
- C adipiscing
- D elit

Multiple Choice (Vertical)

23

Donec tincidunt, lorem a tincidunt
Pellentesque tempor tellus vel arcu



Short Answer

Compound Layout 1

Compound Layout 1 fits to the window and is used with Edit Task and Hot Text items. It can contain several items simultaneously and is designed to mimic a single item in Layout 8.

1 - 3

This is the passage..

This is the **first** paragraph. It is a test paragraph. If applicable, list all the correct answers or give a rule for all the correct answers.

This is the **second** paragraph. It is a test paragraph. If applicable, list all the correct answers or give a rule for all the correct answers

This is the **third** paragraph. It is a test paragraph. If applicable, list all the correct answers or give a rule for all the correct answers

Layout WAI

TDS converts each item's original layout to Layout WAI automatically when a student tests in Streamlined Mode. Layout WAI occupies 100% of the screen and consists of a single column. This layout accommodates a single item per page, or multiple items (with or without a passage).

If a passage is included, it has no set height and uses the same scroll bar as the rest of the test page. All of the components on the page are listed vertically, with the passage on top and the items below it. If an item includes an illustration, it appears above the stem and response area.

At the time, energy costs were skyrocketing due to the oil embargo of 1973. Citizens were looking for alternatives to petroleum for power and fuel, and solar energy became a focal point. It was clean and inexpensive, not to mention safe. The disasters of Three Mile Island and Chernobyl during the 1980s scared people away from nuclear energy, and the influx of solar systems in residences began. However, the popularity of solar power waned by the 1990s. Carter's tax credits ended in 1986 when President Reagan chose to let commerce dictate the direction of renewable energy sources.

1

Read the sentences from "What Happened to Solar Power for Home Use?"

sdf

2

The following question has two parts. First, answer part A. Then, answer part B.

Part A

Which statement **best** summarizes the author's central idea in "The Homeowner's Salvation: Solar Power"?

(A) Solar energy is an expensive alternative to fossil fuels.

(B) The government is attempting to support the use of solar energy.

(C) Solar energy will be a financially sound alternative for many homes in the future.

(D) Lawmakers understand that incentives are a wise method for steering the economy.

Part B

Best Practices

This section provides basic guidelines to follow when selecting layouts.

Best Practices 1: Use Appropriate Layout (Part I)

Do not use a multi-column layout (such as Layouts 17 or 21) for a single item when Layout 1 will work.

Layout 1

Layout 17

Best Practices 2: Use Appropriate Layout (Part II)

Do not use Layout 6 for an item that is not associated with a stimulus. Use Layout 8 for such items instead.

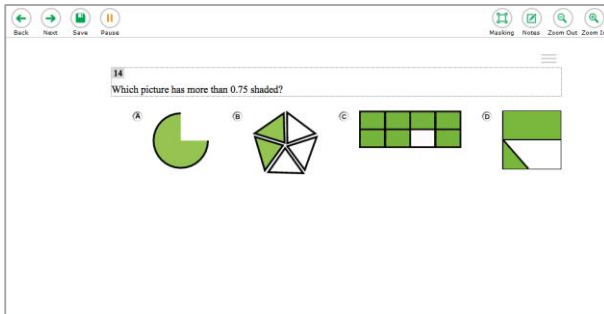
Figure 1. Layout 6

Figure 2. Layout 8

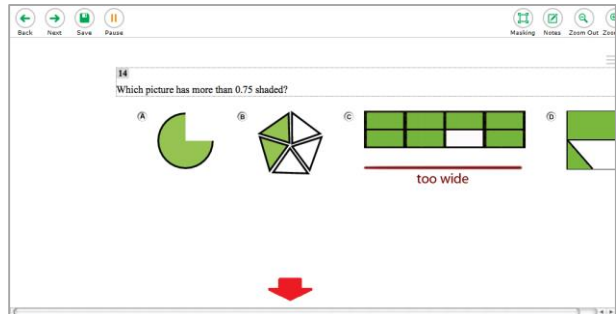
Best Practices 3: Use Small Images for Response Options

When working with images for Picture-Click items, try to use small dimensions (less than 150 pixels wide by 100 pixels tall). On smaller screens, or in multi-column layouts, using a wide image in options may require students to scroll.

Picture-Click Item



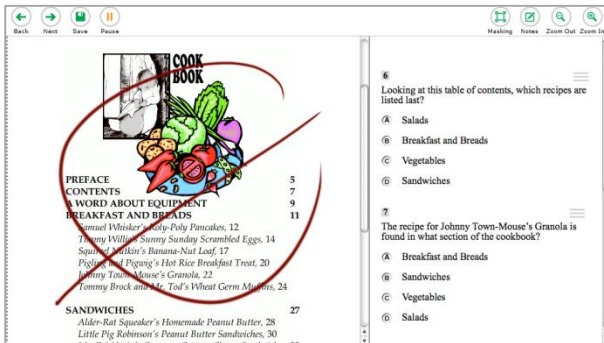
Picture-Click Item with Wide Image



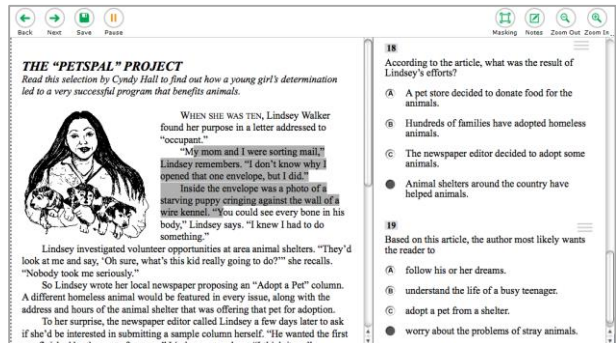
Best Practices 4: Separate Text from Graphics

Whenever possible, do not use graphics that contain text. Separate the graphic as an independent image and the text as actual text. For example, do not use an entire poem or newspaper clipping as a graphic. Screen-readers and text-to-speech cannot make much sense of the content without the text.

Graphic Containing Text



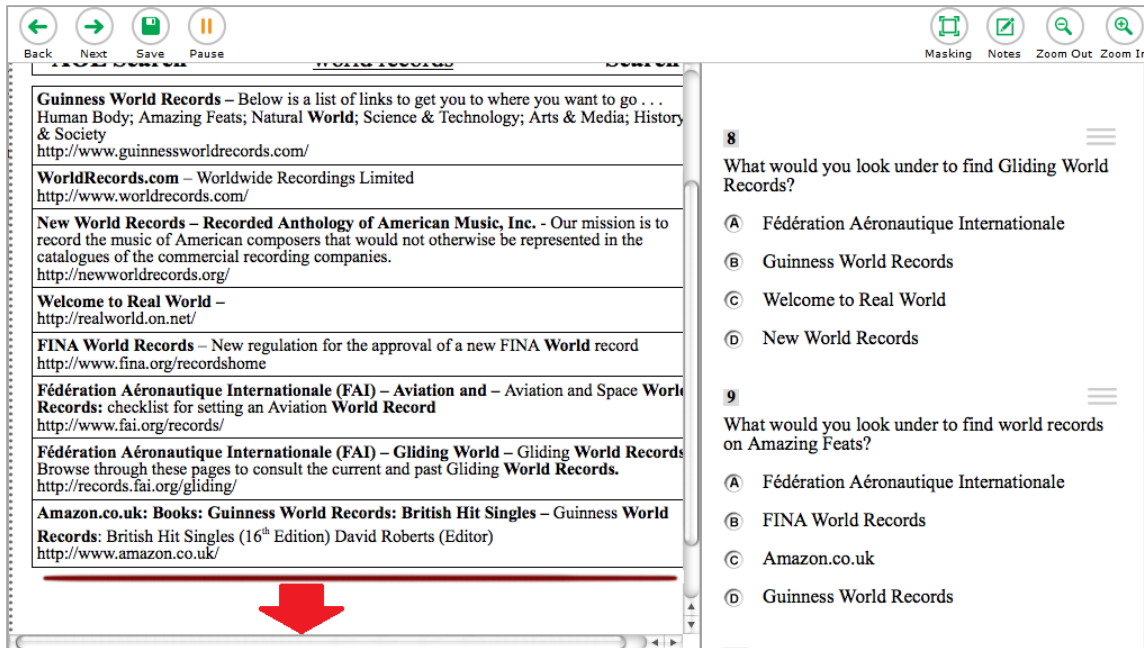
Graphic Separated from Text



Best Practices 5: Use Caution When Working with Tables

HTML tables are preferable to large images of tables, but be careful of setting styles within the table, such as adding a background color to a table cell. Added styles may have unintended consequences when students test with accommodations, such as color-overlay. Additionally, when a student with a high zoom level sends a print request, the table will most likely get cropped, leaving some of the content inaccessible to them.

Table with High Zoom Level



Best Practices 6: Use Caution When Adjusting Spacing

Be very careful when adjusting spacing. Adding extra spaces before a response option or at the end of a sentence or paragraph can have unpredictable consequences with text wrapping. Things may look fine on one screen, but on a larger or smaller screen a line may break awkwardly as a result of extra blank spaces.

Passage with Extra Spacing

• **Mark Spitz, swimming**, U.S. Mark Spitz set the world's record for gold medals in **one** Olympics in 1972 with seven. He won for the 100m and 200m freestyle, 100m and 200m butterfly, 400m and 800m freestyle relays, and the 400m medley relay. These he added to the four medals he won at the 1968 Olympics: a bronze in the 100m freestyle, a silver in the 100m butterfly, and gold in both the 400m and 800m freestyle relays.

Passage Without Extra Spacing

• **Mark Spitz, swimming**, U.S. Mark Spitz set the world's record for gold medals in **one** Olympics in 1972 with seven. He won for the 100m and 200m freestyle, 100m and 200m butterfly, 400m and 800m freestyle relays, and the 400m medley relay. These he added to the four medals he won at the 1968 Olympics: a bronze in the 100m freestyle, a silver in the 100m butterfly, and gold in both the 400m and 800m freestyle relays.

Best Practices 7: Use Appropriate Tags

Use the tag to emphasize something; use the <i> tag to just make something italic. A screen-reader can convey emphasis when reading aloud, but it cannot convey italics.

Best Practices 8: Avoid Underlining Text

When text is presented on screen, underlined words typically indicate clickable hyperlinks. This could confuse students.

10

While working on your science experiment, you decided to check the world records. Which Website would be best?

(A) www.newworldrecords.org

(B) www.guinnessworldrecords.com

(C) www.fai.org/records

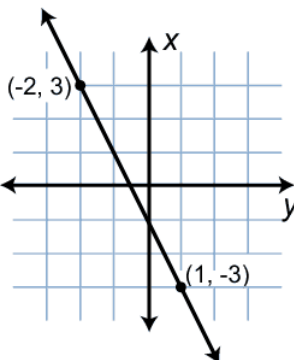
(D) www.amazon.co.uk

Best Practices 9: Align Images in Response Options

When working with items that have single images as a response option (often in math), add a non-breaking space after the image to maintain proper vertical alignment.

10

Find the slope of this line.



(A) -2

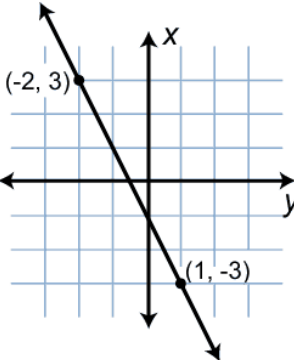
(B) $-\frac{1}{2}$

(C) $-\frac{1}{3}$

(D) -3

10

Find the slope of this line.



(A) -2

(B) $-\frac{1}{2}$

(C) $-\frac{1}{3}$

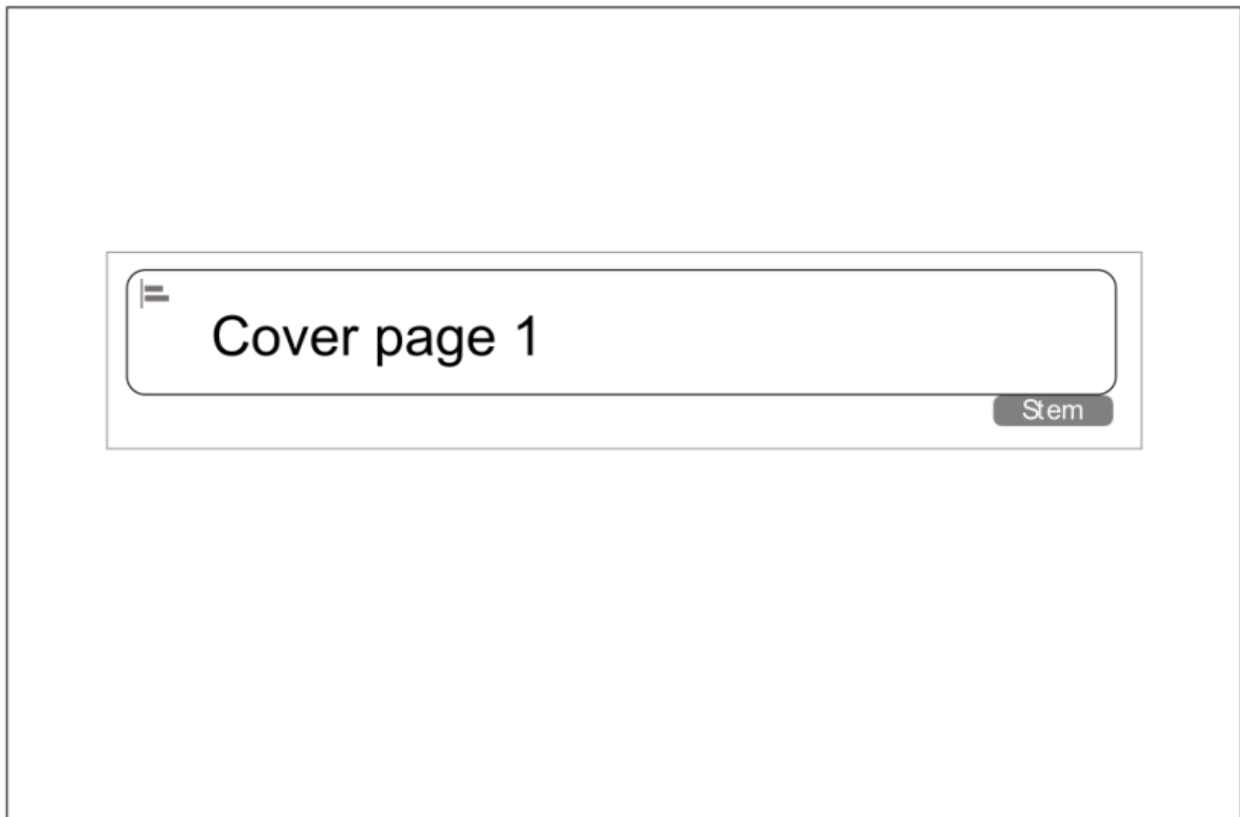
(D) -3

Cover Page Layouts

Cover pages contain no interactive elements, and are used to instruct students taking tests. Cover pages consist of a stem, illustration, or both—but no response section. A border surrounds the cover page content, which is approximately 800px wide and as tall as the content requires. All cover pages, except for Cover Page 1, place the beginning of the content about 5% below the top of the content area. Text size is set automatically to zoom level 4. Because text sizes are much larger than default, it is important to keep the content of the stem as short as possible (10 words or fewer).

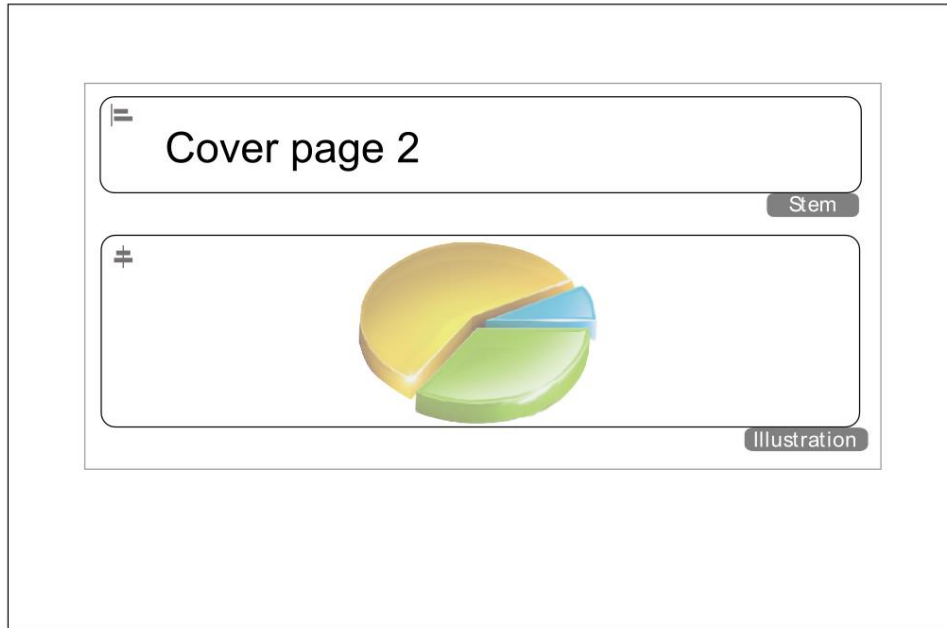
Cover Page 1

Cover Page 1 contains just a stem. It is different from the rest of the cover pages in that it starts further down a student’s screen, so that it appears vertically centered if there are two lines of text (one line of text appears slightly above center).



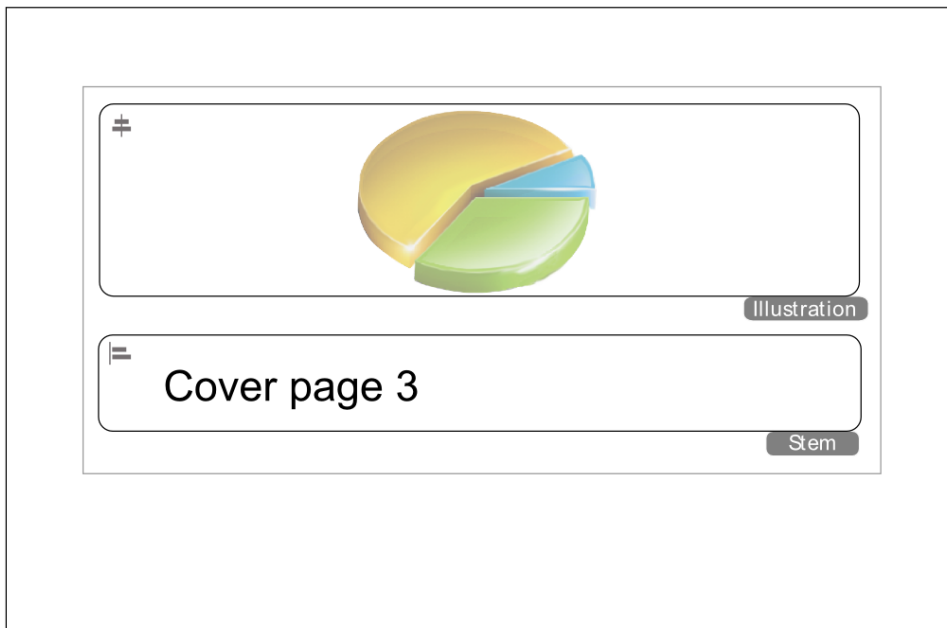
Cover Page 2

Cover Page 2 contains a stem on top and an illustration below it. In order for all content to be visible without a scrollbar, a maximum height of 200 pixels is recommended for images.



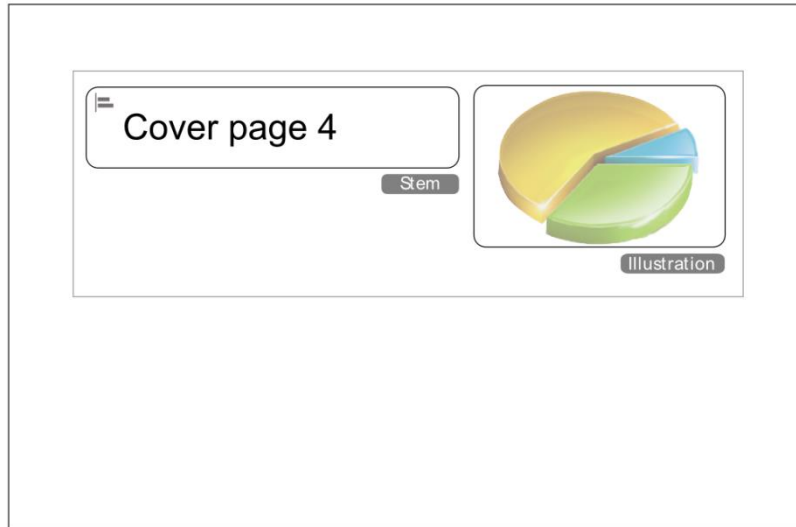
Cover Page 3

Cover Page 3 contains an illustration on top and a stem below it. In order for all content to be visible without a scrollbar, a maximum height of 200 pixels is recommended for images.



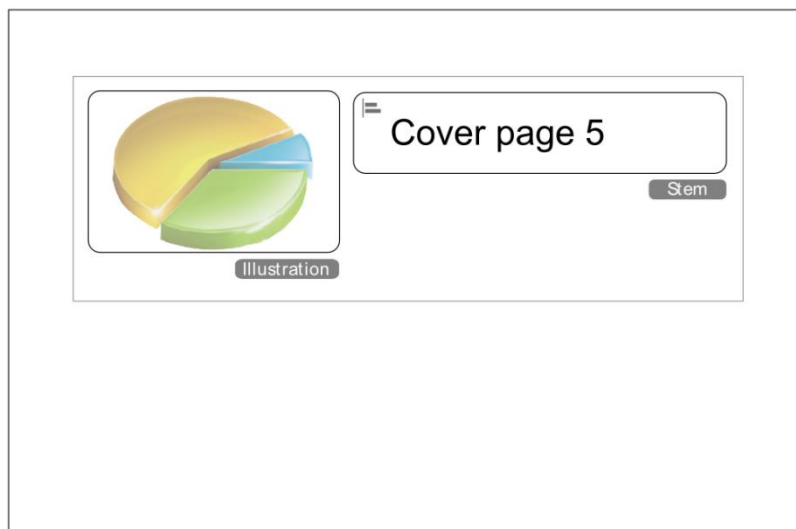
Cover Page 4

Cover Page 4 contains a stem on the left, and an illustration on the right. It is important for the illustration to be no more than 350 pixels tall and 350 pixels wide, or else the illustration displays below the stem.



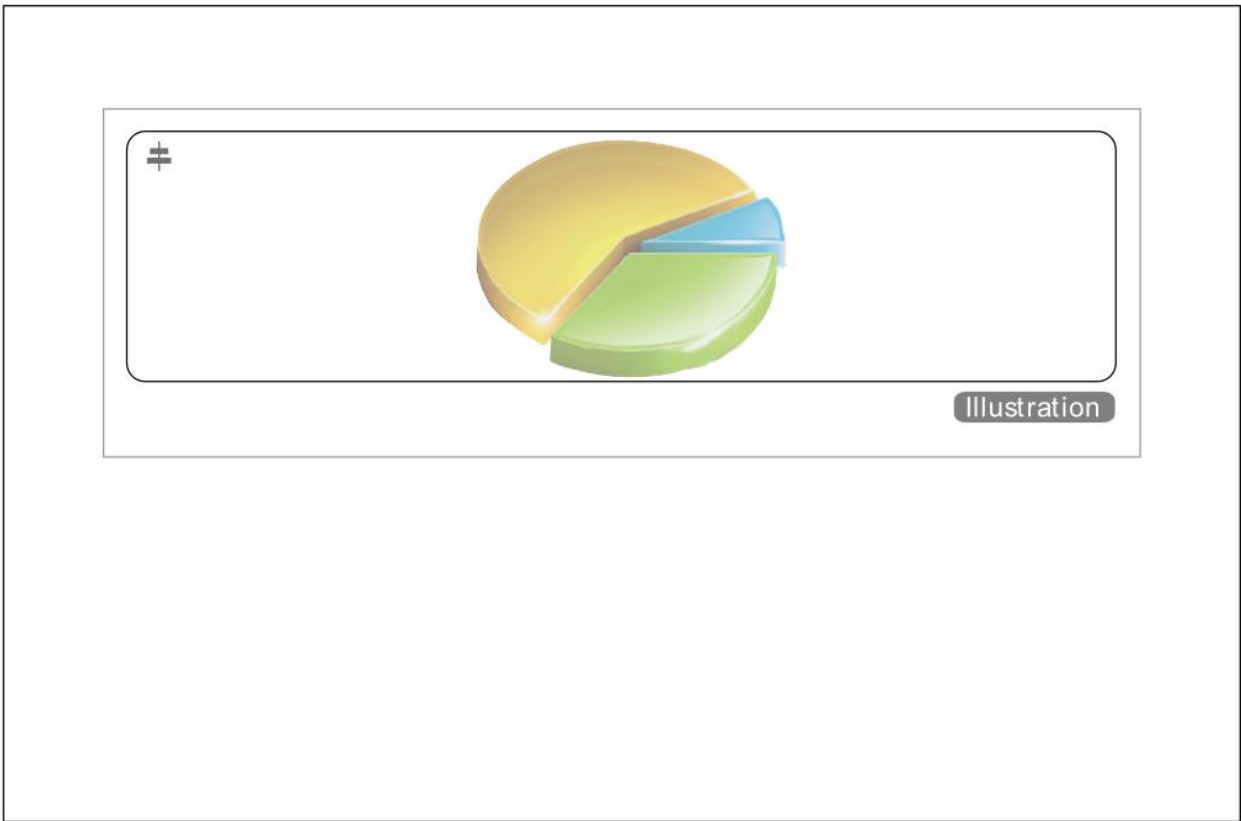
Cover Page 5

Cover Page 5 contains an illustration on the left, and a stem on the right. It is important for the illustration to be no taller than 350 pixels and 350 pixels wide, or else the stem displays below the illustration.



Cover Page 6

Cover page 6 is simply an illustration.



Maximum Image Dimensions

The table below shows the maximum dimensions of an image (in pixels) you can use in a particular layout without forcing students to scroll to see all of an item’s content on a standard 1024x768 monitor (the smallest size we support).

For layouts with passages, the first set of dimensions (yellow) is the space available for an image if it’s embedded in the stem of an item. The second set of dimensions (green) is for images placed inside the passage (stimulus) area.

	Stem Max Image Width	Stem Max Image Height	Passage Max Image Width	Passage Max Image Height
Layout 1	600	590		
Layout 2	400	450		
Layouts 3 & 4	400	450		
Layout 5	600	400		
Layout 6	600	400		
Layout 8				
Layout 12				
Layout 13				
Layout 14	600	450		
Layout 15				
Layouts 11 & 17	360	250	590	590
Layout 21	570	250	400	590
Layout 22				
Layout 23	960	250	980	250
Layout 24 & 29	600	250	380	590
Layout 25	670	250	290	590
Layout 26	470	250	500	590
Layout 27 & 28	270	250	700	590
Layout 32 & 33	960	700		
Layout WAI	960	700	960	700