

Course Content – Tests – Test Question Types

Calculated Formula Questions

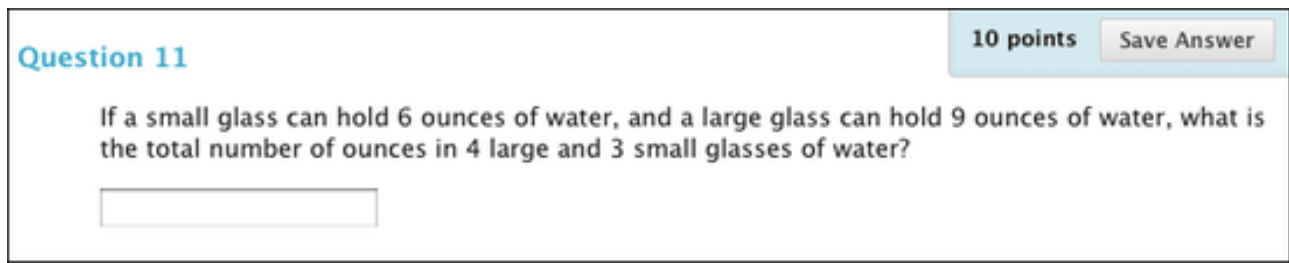
Students are required to make a calculation and respond with a numeric answer.

- Variables are inserted where the numbers should appear, for example [x] and [y] or [a] and [b].
- The numbers change with each student and are pulled from a range that you set.
- The correct answer is either a specific value or within a range of values. You may grant partial credit for answers that fall within a range.

Example:

If a small glass can hold [x] ounces of water, and a large glass can hold [y] ounces of water, what is the total number of ounces in 4 large and 3 small glasses of water?

In the screenshot below, the number 6 was inserted for [x] and the number 9 was inserted for [y].



The screenshot shows a question interface. At the top left, it says "Question 11". At the top right, it says "10 points" and "Save Answer". The question text is: "If a small glass can hold 6 ounces of water, and a large glass can hold 9 ounces of water, what is the total number of ounces in 4 large and 3 small glasses of water?". Below the question is an empty text input box.

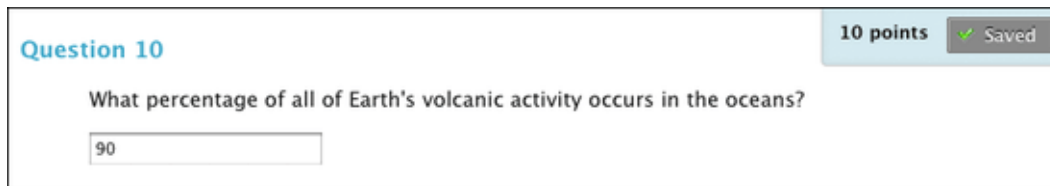
Calculated Numeric Questions

Students are presented with a question that requires a numeric answer. This type of question resembles Fill in the Blank questions where correct answers are numbers.

- The question doesn't need to be a mathematical formula. You can provide a text question that requires a numeric answer.
- You can specify an exact numeric answer, or you can specify an answer and an allowable range.
- Calculated numeric answers must be numeric (e.g. 42) not alphanumeric (e.g. forty-two).

Example:

If the average human body temperature under normal conditions ranges between 36.5 and 37.5 degrees Celsius, what is the average human body temperature in degrees Fahrenheit?



The screenshot shows a question interface. At the top left, it says "Question 10". At the top right, it says "10 points" and "Saved". The question text is: "What percentage of all of Earth's volcanic activity occurs in the oceans?". Below the question is a text input box containing the number "90".

Either/Or Questions

Students are presented with a statement and asked to respond from two-choice answers:

You can select one of these pairs of answers:

- Yes/No
- Agree/Disagree
- Right/Wrong
- True/False

Example:

Hamlet's famous monologue, "To be or not to be...", is a meditation on suicide.

Agree/Disagree

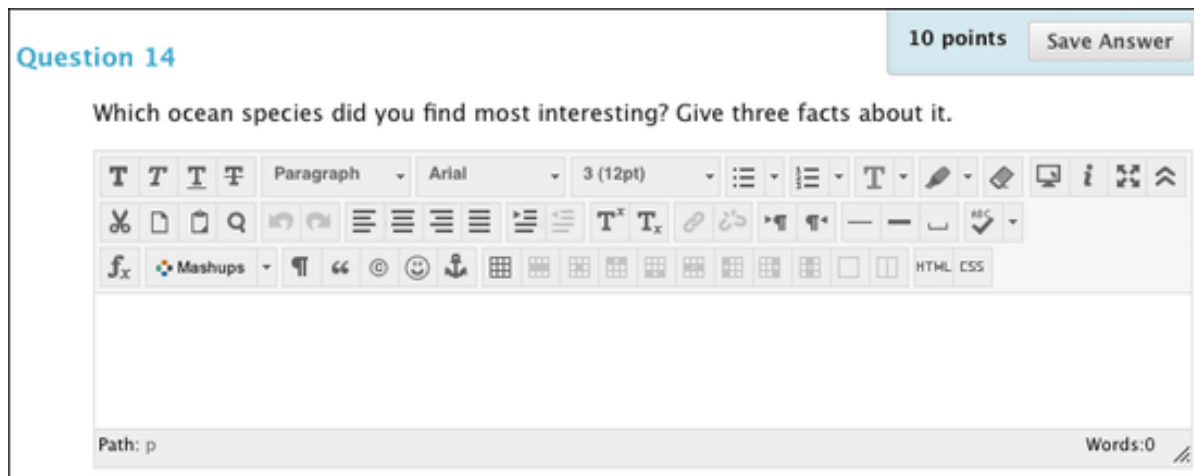
Essay and Short Answer Questions

Essay questions require students to type an answer in a text box, and you need to grade these questions manually.

- Both Essay questions and Short Answer questions are graded manually.
- Four Short Answer questions, student responses aren't limited in length, but the number of rows you set for the text box help students know your expectations. The maximum number of rows is six.

Example:

Which ocean species did you find most interesting? Give three facts about it.



The screenshot shows a question interface for 'Question 14' worth 10 points. The question text is 'Which ocean species did you find most interesting? Give three facts about it.' Below the question is a rich text editor with a toolbar containing various formatting options like bold, italic, underline, text color, background color, link, unlink, list, indent, and alignment. The editor also shows the font type as 'Arial' and the font size as '3 (12pt)'. At the bottom of the editor, there is a 'Path: p' indicator and a 'Words:0' counter.

File Response Questions

Students upload a file from their computers as the answer to the question. Students can create work before a test and submit the file with their submissions, particularly if it requires a large amount of text. You grade these questions manually.

- You can download the files and then review and assess the submissions later without an active internet connection.
- You will need to be online to access the Grade Center to assign grades.
- You can't add File Response questions to surveys.

Example:

What are the most notable accomplishments of the Hubble Space Telescope? Write a five page essay describing it. Please include photos and cite them appropriately. Write your essay off-line and attach it here.

Question 16 50 points

What are the most notable accomplishments of the Hubble Space Telescope? Write a five page essay describing them. Please include photos and cite them appropriately.

Write your essay offline and attach it here.

Attach File

Fill in Multiple Blanks Questions

Students are presented with text containing up to 10 blanks. Students type the appropriate word or phrase for each blank.

To create a Fill in the Multiple Blanks question, type the question text as students will see it, but replace the missing information with variables in square brackets.

- You can add a maximum of 100 answers for each blank.
- Variables can consist of letters, digits (0-9), periods (.), underscores (_) and hyphens (-).
- Variable names must be unique and can't be reused.
- Answers are scored based on if the student answer matches the correct answers you provide. You can require student answers to match exactly, contain part of the correct answer, or match a pattern that you specify. You choose whether or not the answer is case sensitive.

Example:

The oceanic crust is made of [a] and [b] and is [c] [d] thick.

Question 7 10 points

The oceanic crust is made of and and is thick.

Fill In the Blank Questions

A Fill in the Blank question consists of a phrase, sentence, or paragraph with a single blank space indicating where a student should provide the missing word or words.

Example:

_____ is the silicate mineral with the lowest melting temperature and the greatest resistance to weathering.

Hot Spot Questions

Students are presented with an image and select a particular area as the answer.

- Have the image file ready before you create the question. You can upload the image file from your computer or link to it from the Content Collection.
- Accepted images files include GIF, JIF, JPG, JPEG, PNG, TIFF, and WMF.
- Although no limitations exist, consider the size of the image and make adjustments with an image editing application before you upload the file.

Example:

Select on the graph that shows a diurnal tide cycle.

Question 8 10 points [Save Answer](#)

Click on the graph that shows a diurnal tide cycle.

Graph 1: A tide graph showing a single high tide peak at 12 hours and a single low tide trough at 24 hours. The y-axis is Tide Height (meters) from -1 to 3, and the x-axis is Time (hours) from 0 to 24.

Graph 2: A tide graph showing two high tide peaks at approximately 6 and 18 hours, and two low tide troughs at approximately 12 and 24 hours. The y-axis is Tide Height (meters) from -1 to 3, and the x-axis is Time (hours) from 0 to 24.

Graph 3: A tide graph showing two high tide peaks at approximately 3 and 21 hours, and two low tide troughs at approximately 9 and 21 hours. The y-axis is Tide Height (meters) from -1 to 3, and the x-axis is Time (hours) from 0 to 24.

Selected Coordinates [Clear](#)

Jumbled Sentence Questions

Students are required to select words or phrases from a drop-down menu to complete a sentence.

Type the question text as students will see it, but replace the missing information with variables in square brackets.

- Variables can consist of letters, digits (0-9), periods (.), underscores (_) and hyphens (-). Students do not see the variables, only the drop-down menu.
- Variable names must be unique, and you can't reuse them.
- The same menu appears for all blanks and can include both correct answers and distractors.
- You can add a maximum of 100 answers in the menu.

Example:

Single water molecules are held together by [a] bonds and multiple water molecules are held together by [b] bonds. The kind of bond where atoms are sharing electrons, but are not sharing them equally is [c].

The screenshot shows a question titled "Question 6" worth 10 points. The text of the question is: "Single water molecules are held together by [a] bonds and multiple water molecules are held together by [b] bonds. The kind of bond where atoms are sharing electrons, but are not sharing them equally, is called [c]." A dropdown menu is open for the third blank [c], showing the following options: "hydrogen", "polar covalent", "nonpolar", and "covalent".

Matching Questions

Students pair items in one column to items in another column.

- You may include different numbers of questions and answers.
- Students are granted partial credit if they select some of the correct matching pairs.

Example:

Match each item with its definition:

Deposition	The dropping of sediment into a long-term reservoir
Erosion	The picking up and carrying away of sediment
Lithification	The conversion of sediment to rock.
Weathering	The chemical alteration and breakdown of rock

The screenshot shows a question titled "Question 3" worth 10 points. The text of the question is: "Match each term with its definition." On the left, there are four terms with dropdown menus: "Deposition", "Erosion", "Lithification", and "Weathering". On the right, there are four definitions labeled A, B, C, and D. A dropdown menu is open for the "Weathering" term, showing the following options: "A.", "B.", "C.", and "D.". The "Weathering" term is currently selected with a checkmark.

Multiple Answer Questions

Multiple Answer questions allow students to choose more than one answer.

- You can allow partial and negative credit for Multiple Answer questions.
- Partial credit rewards students for whatever portion of the material they have mastered.
- Use negative credit to discourage guessing.

Example:

Choose all of the examples or types of carbohydrates:

- a. Galactose
- b. Fructose
- c. Sucrose
- d. Maltose

QUESTION 2	10 points	Save Answer
Choose all of the examples or types of carbohydrates.		
<input type="checkbox"/>	A. Galactose	
<input type="checkbox"/>	B. Fructose	
<input type="checkbox"/>	C. Sucrose	
<input type="checkbox"/>	D. Maltose	

Multiple Choice Questions

Students select one correct answer from several choices.

- You can allow partial and negative credit for Multiple Choice questions.
- Partial credit rewards students for whatever portion of the material they have mastered.
- Use negative credit to discourage guessing.
- You can choose the partial credit percentage for each answer.

Example:

Alfred Wegener discusses a supercontinent called _____.

- a. Linneus
- b. Cosmas
- c. Pangaea
- d. Laurasia
- e. Gondwana

QUESTION 2 2 points

Alfred Wegener discusses a supercontinent called _____.

- Linneus
- Cosmas
- Pangaea
- Laurasia
- Gondwana

Opinion Scale and Likert Questions

You can use Opinion Scale/Likert questions to measure students' attitudes or reactions with a comparable scale.

- By default, five answer choices appear that range from Strongly Agree to Strongly Disagree. A sixth option lets students select Not Applicable.
- You can change the text of the answer choices and adjust the number of answers from 2 to 100.
- If you include the questions in a test, you must select a correct answer. If you require just an opinion, change the point value to zero so that the question doesn't affect the test total.

Example:

How concerned are you about the polar ice caps melting?

Strongly Agree, Agree, Neither Agree nor Disagree, Disagree, Strongly Disagree, Not Applicable.

Question 1 Save Answer

How concerned are you about the polar ice caps melting?

1. Strongly Agree 2. Agree 3. Neither Agree nor Disagree 4. Disagree 5. Strongly Disagree 6. Not Applicable

Ordering Questions

Students select the correct order of a series of items.

- By default, if you allowed partial credit, students are awarded partial credit if they answer part of the question correctly.

Example:

Order the four oceans in size, with the largest first.

1. Pacific
2. Atlantic
3. Indian



The screenshot shows a quiz question titled "Question 5" worth 12 points. The question text is "Order the four oceans in size, with the largest first." Below the text are four dropdown menus. The first menu is set to "Pacific", the second to "Indian", and the third to "Atlantic". The fourth menu is open, showing a list of options: "1.", "2.", "3.", and "4.". The "1." option is selected. A "Save Answer" button is visible in the top right corner.

Quiz Bowl Questions

Students are presented with an answer and they provide the question. Student responses must be in the form of a question that begins with an interrogative, such as who, what, or where.

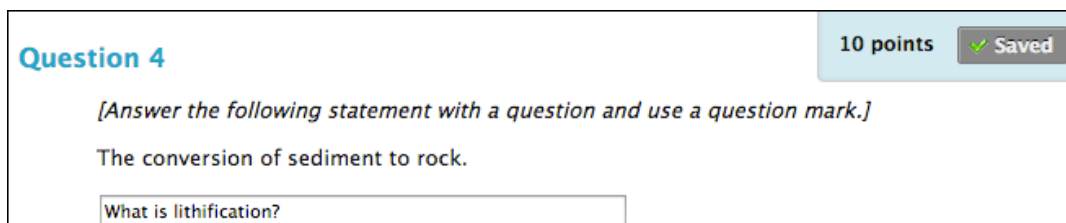
When you create a Quiz Bowl question, you provide the statement that students can provide the question for, all possible interrogatives the question could begin with (who, what, where, etc.), and all possible correct answer phrases, including variations in spellings, plurals, and common abbreviations.

- Add instructions to the initial statement that ask students to respond in the form of a question.
- Remind students to use a question mark. Incorrect end punctuation results in no credit for the response.
- A correct response contains one of the interrogatives you added, immediately followed by any one of the phrases you added, including end punctuation.

Example:

It is the only country that is a continent.

What is Australia?



The screenshot shows a quiz question titled "Question 4" worth 10 points. The question text is "[Answer the following statement with a question and use a question mark.] The conversion of sediment to rock." Below the text is a text input field containing the question "What is lithification?". A "Saved" button with a checkmark is visible in the top right corner.

True or False Questions

Students choose true or false in response to a statement.

- True or False questions can also be created using the Either/Or question type, if you select True/False as the answer pair.
- Phrase the interrogative as a statement, not a question, in order to be grammatically correct.

Example:

Multiculturalism is a state in which all sub-cultures in the same society are equal to one another.

True/False

QUESTION 6	10 points	Save Answer
Multiculturalism is a state in which all sub-cultures in the same society are equal to one another.		
<input type="radio"/> True		
<input type="radio"/> False		