

H5P Training Series:

9—Question Set

In this tutorial, you will learn how to create an H5P Question Set. Before beginning this tutorial, please download the zipped file that accompanies it. You will need to use an additional image file to complete this tutorial.

IMPORTANT: Be sure to abide by copyright laws when developing learning activities based on content you do not own. See the link under the Additional Resources section for information.

Note: Before uploading images to your H5P activity, save them as JPG or PNG files at 72 dpi using RGB color, and then size them appropriately for viewing on a computer monitor.

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1. Overview of the Question Set Content Type

The H5P Question Set content type allows you to create a quiz-like activity with various question types, including multiple-choice, fill in the blank, and drag and drop. It is possible to add background images and videos to play at the end of the quiz – one video for a passing score and one for a failing score. There are several settings options that allow you to customize this content type to behave however you want it to.

IMPORTANT: Before creating any H5P element, turn on editing for your course site. Under the section or topic where the H5P element is to appear, click the **Add an activity** dropdown menu and choose **Interactive Content** from the list. Save your work periodically, and try out the features as you create them to help you understand how they function.

Note: See tutorial **0—General H5P Settings** for instructions on how to set up H5P activities for grades and other information.

2. Adding a Question Set and a Multiple-Choice Question

The following steps walk you through the process of adding a Question Set and a multiple-choice question type:

| Step | Action | Notes |
|------|--|---|
| 1. | In the Name field, type in a name for the H5P interaction. | For training purposes, type: Question Set. |
| 2. | In the Editor section, select Question Set from the list of content types. When selecting this H5P activity for the first time, click the Use button. | The Question Set editor should appear. |
| 3. | If desired, click + Add under Background image to upload your photo. | For this exercise, skip this step. |
| 4. | Use the Progress indicator dropdown menu to choose dots or a textual progress indicator for the quiz. | For training purposes, leave this set on dots. |
| 5. | Use the Pass percentage field to set a minimum passing percentage. | The pass percentage is the percentage of the total score that is required for passing the quiz. For training, leave this set at 50. |
| 6. | Use the Questions field to add questions to your question set. Use the Question type dropdown menu to add your first question. | For training, choose Multiple Choice. |
| 7. | Click to expand the Media field to add an image or video, if necessary. IMPORTANT: If adding a video or audio file, you may need to include a transcript to meet accessibility requirements. See the Additional Resources section of this tutorial for more information. | For training purposes, skip this step. IMPORTANT: If using H5P content in ctYOU.org, do not upload and save a video file directly to the site. Doing so will crash the server. Instead, upload the video to YouTube or another video-sharing site, then copy and paste the video source URL and embed the link in your web page. Uploading a video file directly to ctYOU.org violates the site's user agreement. |
| 8. | Use the Question text box to type your question. | For training purposes, type: Which of the following medical tools is used to measure blood pressure? |

| Step | Action | Notes |
|------|---|--|
| 9. | Use the Text fields in the Option boxes below Available options to enter the answer choices for your Multiple Choice question. Use the ADD OPTION button to add additional Option boxes as needed. | For training purposes, type the following answer choices: <ul style="list-style-type: none"> • In the first Text field, type: Thermometer. • In the second Text field, type: Stethoscope. • In the third Text field, type: Sphygmomanometer. |
| 10. | Click the ADD OPTION button to add more text fields, if necessary. | For this exercise, click this button. |
| 11. | Add the third answer option, if necessary. | For training purposes, in the fourth Text field, type: Endoscope. |
| 12. | Click the ADD OPTION button to add more text fields. | For this exercise, click this button. |
| 13. | Add the forth answer option, if necessary. | For training purposes, in the third Text field, type: Sphygmomanometer. |
| 14. | Use the Correct checkboxes (located under each Option box) to indicate which answer is correct. | For training, check the box for “Sphygmomanometer,” as this is the correct answer. |
| 15. | Click Save and display at the bottom of the screen when finished editing. | This step applies when using H5P content in a Moodle server, such as ctYOU.org. Saving may be different in other applications. |

3. Adding a True/False Question

Return to the editing screen for the Question Set you created for this tutorial, and then use the following steps to create a True/False question:

| Step | Action | Notes |
|------|---|---|
| 1. | In the Questions field, click on the + ADD QUESTION button to add a new question. | |
| 2. | Use the Question type dropdown to add your second question. | For training, choose True/False Question. |

| Step | Action | Notes |
|------|--|--|
| 3. | Click to expand the Media field to add an image or video, if necessary. IMPORTANT: If adding a video or audio file, you may need to include a transcript to meet accessibility requirements. See the Additional Resources section of this tutorial for more information. | For training, skip this step. IMPORTANT: If using H5P content in ctYOU.org, do not upload and save a video file directly to the site. Doing so will crash the server. Instead, upload the video to YouTube or another video-sharing site, then copy and paste the video source URL and embed the link in your web page. Uploading a video file directly to ctYOU.org violates the site's user agreement. |
| 4. | Use the Question text box to type your question. | For training purposes, type: A kidney dish is a tray for instruments, gauze, and tissue. |
| 5. | Use the Correct answer field to indicate if the statement/question is True or False. | For training purposes, check this answer as True . |
| 6. | Click Save and display at the bottom of the screen when finished editing. | This step applies when using H5P content in Moodle server, such as ctYOU.org. Saving may be different in other applications. |
| 7. | To navigate to the new True/False interaction, click the forward navigation arrow on the right side of the screen. | |

4. Adding a Fill in the Blanks Question

Return to the editing screen for the Question Set you created for this tutorial, and then use the following steps to create a Fill in the Blanks question:

| Step | Action | Notes |
|------|---|---|
| 1. | In the Questions field, click on the + ADD QUESTION button to add a new question. | |
| 2. | Use the Question type dropdown menu to add your second question. | For training purposes, choose Fill in the Blanks. |

| Step | Action | Notes |
|------|--|--|
| 3. | Click to expand the Media field to add an image or video, if necessary. IMPORTANT: If adding a video or audio file, you may need to include a transcript to meet accessibility requirements. See the Additional Resources section of this tutorial for more information. | For training, skip this step. IMPORTANT: If using H5P content in ctYOU.org, do not upload and save a video file directly to the site. Doing so will crash the server. Instead, upload the video to YouTube or another video-sharing site, then copy and paste the video source URL and embed the link in your web page. Uploading a video file directly to ctYOU.org violates the site's user agreement. |
| 4. | Type instructions into the Task description field. | For training, leave this field at the default: Fill in the missing words. |
| 5. | Use the Line of text field to add the text for your questions. | Click the yellow Show instructions box to reveal the steps for creating a fill-in-the-blanks question: <ul style="list-style-type: none"> • Blanks are added with an asterisk (*) in front and behind the correct word/phrase. • Alternative answers are separated with a forward slash (/). • You may add a textual tip, using a colon (:) in front of the tip. For training, type: A *reflex/neurological/percussion* hammer is used to test a person's motor reflexes. |
| 6. | Click on the ADD TEXT BLOCK button to add another text block. | |
| 7. | Use the Line of text field to add your line of text. | For training, type: A tongue *depressor* is used in an oral examination. |
| 8. | Click Save and display at the bottom of the screen when finished editing. | This step applies when using H5P content in a Moodle server, such as ctYOU.org. Saving may be different in other applications. |
| 9. | To navigate to the new fill-in-the-blank interaction, click the forward navigation arrow on the right side of the screen. | |

5. Adding a Drag-and-Drop Question

Return to the editing screen for the Question Set you created for this tutorial, and then use the following steps to create a Drag and Drop question:

| Step | Action | Notes |
|------|---|--|
| 1. | In the Questions field, click on the + ADD QUESTION button to add a new question. | |
| 2. | Use the Question type dropdown to add your fourth question. | For training purposes, choose Drag and Drop. |
| 3. | Type a title for the question in The title of this question field. | For training purposes, type: Drag and Drop the correct term onto the image. |
| 4. | Use the checkbox next to Show Title to either show or hide the title for the question. | For training purposes, check this box. |
| 5. | Click on the +Add button under Background image , if desired. | For this exercise, omit this step. |
| 6. | Specify the size of the task area in the fields under Task size . | The fields indicate width × height. For training, change the values to 400 × 250. |
| 7. | Click on Step 2: Task , and then click on the Image button to add an image to the question. | |
| 8. | Click on +Add under Image . Browse to the desired image, select it, and then click the Open button. | For training purposes, navigate to the images you saved for this tutorial and open the stethoscope.jpg file. |
| 9. | Type in a brief but concise description of the image in the Alternative text field. This text appears if the browser fails to load the image and is read aloud to the visually impaired in special screen readers. | For training purposes, type: stethoscope. |
| 10. | Click Done when finished. | Resize and move the image, if necessary, but clicking the image and dragging the corners. |
| 11. | Click on the Insert Drop Zone button to add a drop zone. | The Insert Drop Zone button shows concentric circles that resemble a target. |
| 12. | Type a label for the drop zone under Label , and use the checkbox next to Show label to either show or hide the label. | For training, type, “Stethoscope,” and uncheck the Show label button. |

| Step | Action | Notes |
|------|---|---|
| 13. | Use the field under Background Opacity to set the drop zone at the desired transparency. | For training purposes, set the background opacity to 0. |
| 14. | Click Done when finished. | |
| 15. | Click on the drop zone (square with dashed lines), move it, and resize it so that it covers the image. | |
| 16. | Click on the Text button (T icon) to add text for the first response option. | |
| 17. | Type the response into the Text field. | For training, type: Stethoscope. |
| 18. | Use the checkboxes under Select drop zones to indicate which drop zone this text field belongs to, if necessary. | For training, check the box for “Stethoscope.” |
| 19. | Click Done when finished. | |
| 20. | Click on the text field, resize and move the text field, if necessary. | |
| 21. | Click on the Text button (T icon) to add text to the second response option. | |
| 22. | Type the response into the Text field. | For training, type: Endoscope. |
| 23. | Use the checkboxes under Select drop zones to indicate which drop zone this text field belongs to, if necessary. | For training, check the box for “Stethoscope.” |
| 24. | Click Done when finished. | Resize and move the text field, if necessary. |
| 25. | Click on the Text button (T icon) to add text to the question. | |
| 26. | Type your text into the Text field. | For training, type: Sphygmomanometer. |
| 27. | Use the checkboxes under Select drop zones to indicate which drop zone this text field belongs to, if necessary. | For training, check the box for “Stethoscope.” |
| 28. | Click Done when finished. | Resize and move the text field, if necessary. |
| 29. | Click on the Text button to add text to the question. | |
| 30. | Type your text into the Text field. | For training, type: Thermometer. |

| Step | Action | Notes |
|------|--|---|
| 31. | Use the checkboxes under Select drop zones to indicate which drop zone this text field belongs to, if necessary. | For training, check the box for “Stethoscope.” |
| 32. | Click Done when finished. | Resize and move the text field, if necessary. |
| 33. | Click on the drop zone you added and click the pencil icon to edit it. | |
| 34. | Use the checkboxes under Select correct elements to select which element corresponds with the drop zone. | For training, select “Stethoscope.” Leave the others unchecked. |
| 35. | Click Done when finished. | |
| 36. | Click Save and display at the bottom of the screen when finished editing. | This step applies when using H5P content in Moodle or ctYOU.org. Saving may be different in other applications. |
| 37. | To navigate to the new drag-and-drop interaction, click the forward navigation arrow on the right side of the screen. | |

6. Adding a Mark-the-Words Question

Return to the editing screen for the Question Set you created for this tutorial, and then use the following steps to create a Mark the Words question:

| Step | Action | Notes |
|------|---|---|
| 1. | In the Questions field, click on the + ADD QUESTION button to add a new question. | |
| 2. | Use the Question type dropdown menu to add your fifth question. | For training, choose Mark the Words. |
| 3. | Write instructions for the user in the Task description field. | For training, type: Click on all the names of medical tools in the text that follows. |

| Step | Action | Notes |
|------|---|---|
| 4. | Enter the question text into the Textfield . | <p>The following instructions are listed on the screen for the Textfield:</p> <ul style="list-style-type: none"> • Correct words are marked with asterisks (*) before and after the word. • Asterisks can be added within marked words by adding another asterisk, *correctword*** => correctword*. • Only words may be marked as correct. Not phrases. <p>For training purposes, type: *Cardioverters* and *defibrillators* can correct arrhythmias of the heart.</p> |
| 5. | Click Save and display at the bottom of the screen when finished editing. | This step applies when using H5P content on a Moodle server, such as ctYOU.org. Saving may be different in other applications. |
| 6. | To navigate to the new Mark-the-Words interaction, click the forward navigation arrow on the right side of the screen. | |

7. Adding a Drag Text Question

Return to the editing screen for the Question Set you created for this tutorial, and then use the following steps to create a Drag Text question:

| Step | Action | Notes |
|------|---|--|
| 1. | In the Questions field, click on the + ADD QUESTION button to add a new question. | |
| 2. | Use the Question type dropdown to add your sixth question. | For training, choose Drag Text. |
| 3. | Write instructions for the user in the Task description field. | For training, type: Drag the words into the correct boxes. |

| Step | Action | Notes |
|------|--|---|
| 4. | Enter the question text into the Text field. | <p>The following instructions are shown on the screen for the Text field:</p> <ul style="list-style-type: none"> • Droppable words are added with an asterisk (*) in front and behind the correct word/phrase. • You may add a textual tip, using a colon (:) in front of the tip. • For every empty spot, there is only one correct word. • You may add feedback to be displayed when a task is completed. Use '\+' for correct and '\-' for incorrect feedback. <p>For training purposes, type: *Acute* pain is described as pain that is experienced at the time of injury and then passes with the healing of the injury. *Chronic* pain occurs after the injury is considered healed and does not have an expected end. *Neuropathic* pain arises from damage to the neurological system and is the least understood and most difficult to treat.</p> |
| 5. | Click Save and display at the bottom of the screen when finished editing. | This step applies when using H5P content in a Moodle server, such as ctYOU.org. Saving may be different in other applications. |
| 6. | To navigate to the new Drag Text interaction, click the forward navigation arrow on the right side of the screen. | |

IMPORTANT: Be sure to test all of the multimedia elements you created for this tutorial. Once created, you can use this H5P feature as a standalone, embed its iframe code in a webpage, or you can download it for use in another courses.

8. Additional Resources

To learn more about this topic, visit:

- <https://h5p.org/tutorial-question-set>
- <https://h5p.org/question-set>
- <http://www.loc.gov/teachers/usingprimarysources/copyright.html>

Accessibility Requirements:

If you have included audio or video in this activity, visit the websites below for general information about accessibility requirements. See tutorial **12—Interactive Video** for a sample storyboard.

- <http://www.w3.org/2008/06/video-notes>
- <http://www.w3.org/WAI/intro/wcag>
- <https://www.digitalgov.gov/2013/06/26/making-multimedia-section-508-compliant-and-accessible/>

The Oklahoma Department of CareerTech offers many other free H5P tutorials, as well as an extensive series on how to use various Moodle plugins. Look for them on ctYOU.org.