

Manual 'Create Question'

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Examples of question types

You can create various types of interactive questions in AnatomyTOOL, with extensive feedback options. AnatomyTOOL uses so-called H5P questions. [What is that?](#)

- **Multiple choice**

with 1 correct example, [example](#):

In breast reconstruction after mastectomy, a plastic surgeon uses a suprapubic myocutaneous flap of the rectus abdominis muscle. Which artery supplying the myocutaneous flap has to be isolated and transected so it can be used again for the reconstruction of the breast?

- Inferior epigastric artery
- Superior epigastric artery
- Superficial epigastric artery
- Inferior mesenteric artery
- Musculophrenic artery

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By: C. Hulsman, University Maastricht

- with multiple correct answers, [example](#):

Question: Which of the following structures are part of the ventilatory pump?

- Elastic fibres
- Trachea
- Thoracic cage
- Respiratory muscles
- Bronchi

Download Embed H-P

By: C. Hulsman, University Maastricht

Under 'Behavioural options' you can set the question to have multiple correct answers. The default setting 'Automatic' renders the question with only one correct answer.

Question Type
Select the look and behaviour of the

Automatic

-
- Automatic
- Multiple Choice (Checkboxes)
- Single Choice (Radio Buttons)

- **True/false question** [example](#):

Statement: The branches of the pulmonary veins closely follow the bronchial tree.

True False

[Download](#) [Embed](#) H-P

By: C. Hulsman, University Maastricht

- **Mark the words**, [example](#):

Give a list of words or statements, from which some need to be selected.

Which of the following structures are made of peritoneum?

Mesentery
 Transverse_mesocolon
 Meso-appendix
 Gastrocolic_ligament
 Hepatogastric_ligament
 Falciform_ligament
 Round_ligament_of_liver
 Coronary_ligament
 Greater_omentum
 Omental_bursa

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By: O.P.Gobée, Leiden University Medical Center

- **Summary**, [example](#):

Ask a series of related questions and have the correct answer of each question listed. Useful for instance to step-by-step build up a list of characteristics or criteria of something.

What are the characteristics of the duodenum? ✓ Progress: 0/4

The duodenum has glands in its submucosa

The duodenum has Brunner's glands

What are the characteristics of the duodenum? ✓ Progress: 2/4

The duodenum has glands in its submucosa ✓

The duodenum has Brunner's glands ✓

The duodenum has Goblet cells that produce mucus ✓

The duodenum has villi and microvilli ✓

Your result ✓ Progress: 4/4

You got 4 of 4 statements (100 %) correct.

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By: O.P.Gobée, Leiden University Medical Center

- **Drag text, [example](#):**

Write a text with open spots into which words need to be dragged. The text may consist of separate lines (as examples below) or can be continuous text.

Drag the words into the correct boxes

The of the heart lies at the right side of the heart.

The of the heart lies at the ventral side of the heart.

The of the heart lies at the superior dorsal side of the heart.

The of the heart lies at the left side of the heart.

right atrium

left ventricle

left atrium

right ventricle

H-P

By: O.P.Gobée, Leiden University Medical Center

This type can also be used for ordering questions: [example](#)

Given: Blood is filtered in the glomerulus, which results in the production of primary urine.

Task: Bring the terms listed below into the right order so that they reflect the route of the primary urine through the nephron. Starting point is the renal corpuscle.

1.

2.

3.

4.

5.

6.

Collecting duct

Proximal tubule - convoluted part

Loop of Henle - ascending part

Distal convolutes tubule

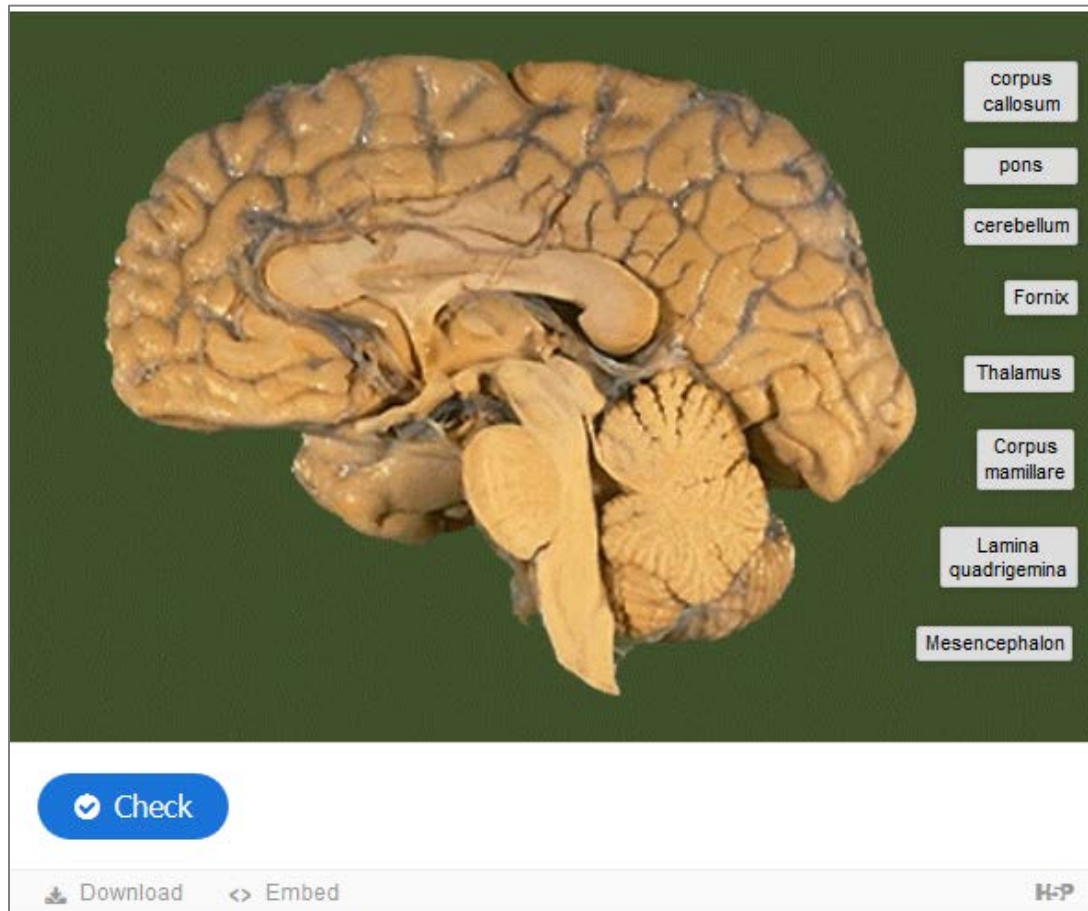
Loop of Henle - descending part

Proximal tubule - straight part

H-P

By: C. Hulsman, University Maastricht

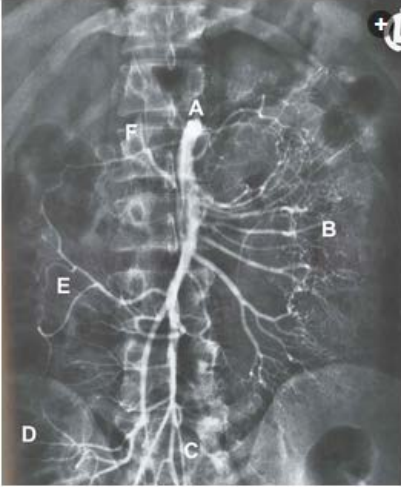
- **Drag and drop** [Example](#)
Drag labels to locations on an image.



Note: This question type might require a slight learning curve to get it right.

By: A. Herrler, University Maastricht

- Fill in the blanks, [example](#)



The image shows an angiography of the superior mesenteric artery (SMA). A canule has been traversed through the aorta and inserted into the SMA where it arises from the aorta (at A). Contrast agent has been injected into the SMA. In the blanks below fill in the names of the parts of the digestive system that are supplied at that place.

Supplied intestine at B:

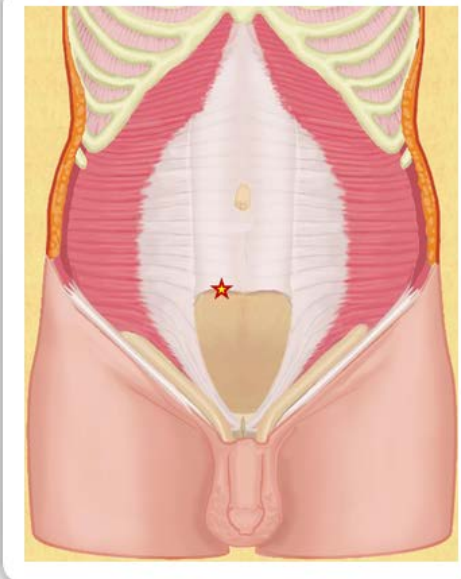
Supplied intestine at D:

[Download](#) [Rights of use](#) [Embed](#) H-P

Note: Use this question type only for short words. Long anatomical terms are troublesome because the user can give different answers that all are correct. Multiple correct answer options can be given. Provide both English and Latin terms as correct options (where applicable).

- **Flashcard**, [example](#)

A classic interface to train simple question-answer pairs.

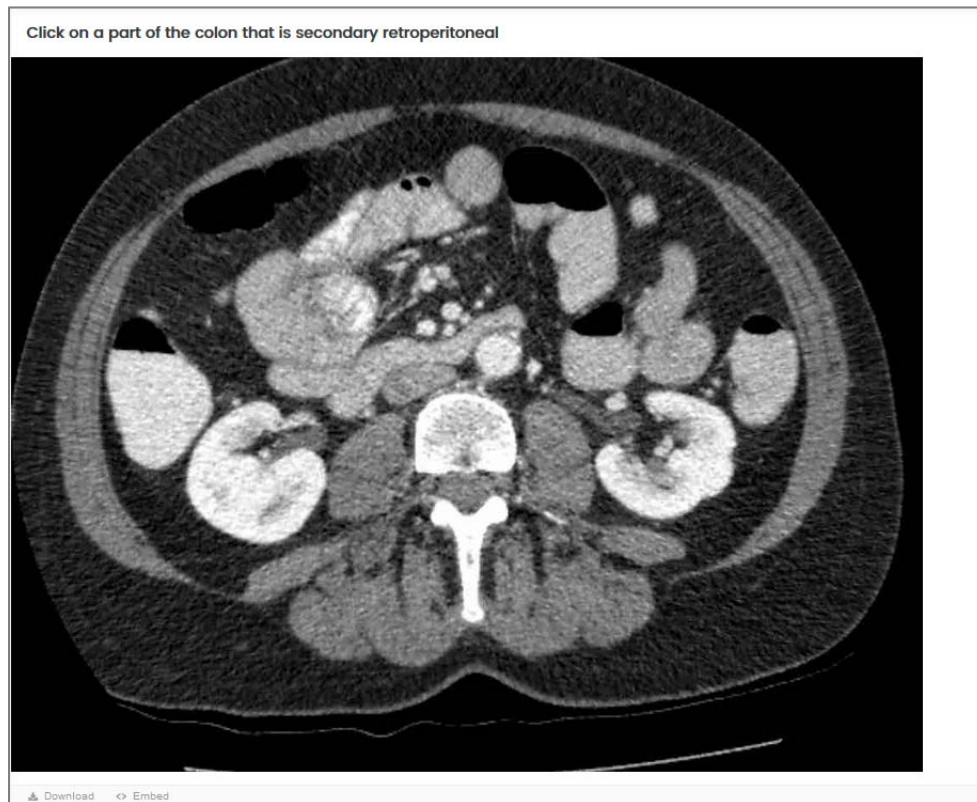


What is the name of the indicated line? (in English)

Note: Use this question type only for short words. Long anatomical terms are troublesome because the user can give different answers that all are correct. Only one correct answer option can be given. Therefore, clearly indicate whether the answer should be given in English or Latin.

- **Find the hotspot** [Example](#)

Click a spot on an image. Multiple rectangular and oval spots are supported, each can have their own feedback.

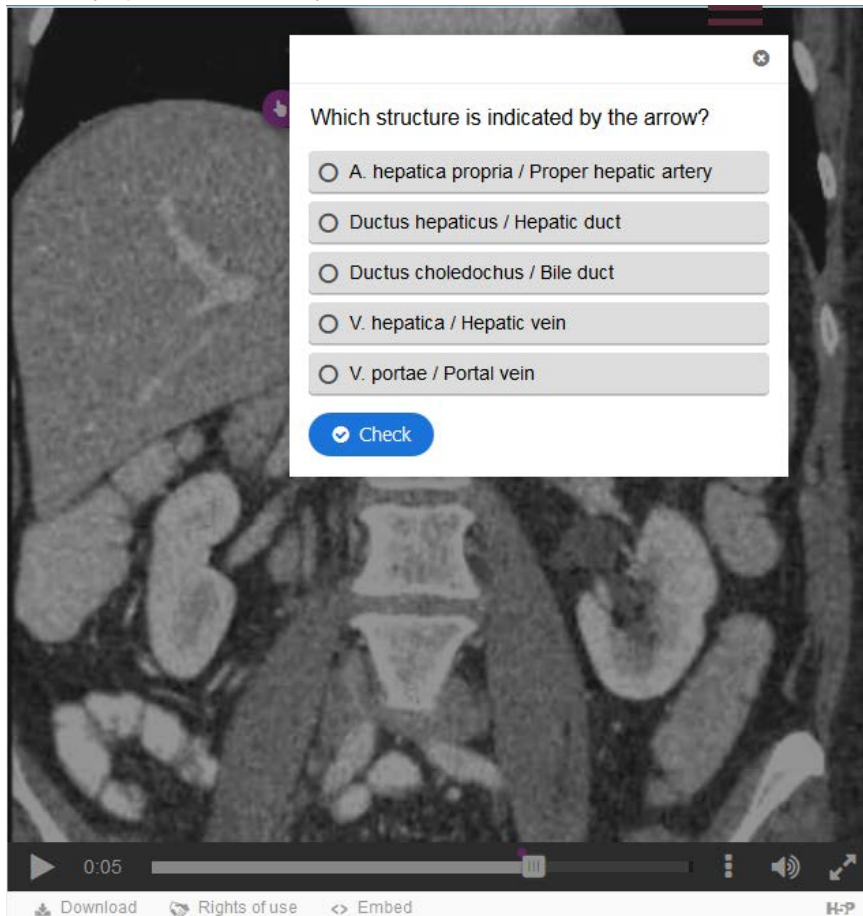


Note: This question type may require a lot of work to create all hotspot areas, especially if you want to provide feedback on wrong locations:



- **Interactive video** [Example](#)

Overlay questions at any moment in an online video



Note: This question type is one of the most complex types. It requires some learning curve to get it right.

Be aware: reporting to the quiz end-result not yet supported for all question types

Unfortunately, some question types do not yet report to the quiz over-all result that is displayed after the user has completed a quiz of questions.

Question types that report well, are:

- Multiple choice
- True/false
- Drag text
- Mark the words
- Fill in the blanks

Question types that do not report to the over-all quiz result are:

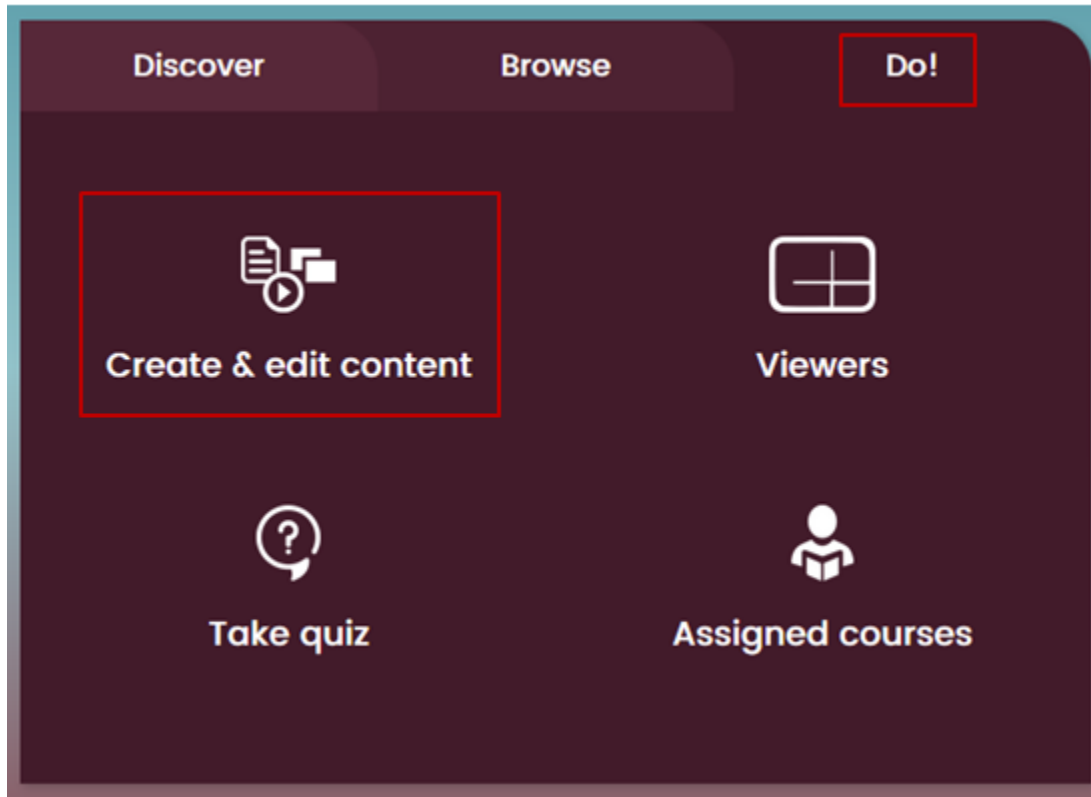
- Flash cards
- Find the hotspot
- Interactive video

Step 1. Start a new question

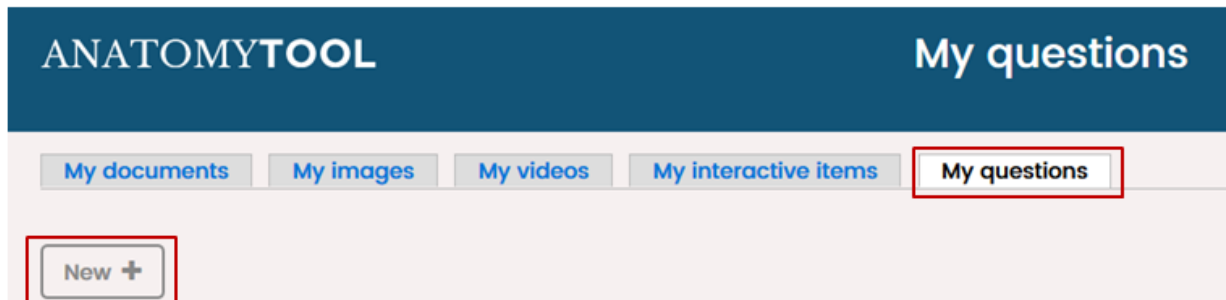
To create questions on AnatomyTOOL you need to have a (free) account with 'student' or 'teacher' rights. Create a free account, if you haven't got one, and request for the rights

Sign in on AnatomyTOOL

Do! → Create & edit content



My questions → New +



- Give the question a meaningful **title** (but don't give away the answer in the title!)
- You can **create** a new question. In that case, choose a **question type**.

The screenshot shows the AnatomyTOOL interface for creating interactive content. At the top, the text 'ANATOMYTOOL' is displayed in white on a teal background. Below it, the main heading 'Create Interactive content' is in a large, dark font. The 'Title' field contains the text 'h5p-content-56602'. A red callout box points to this field with the text 'Replace auto-generated title by meaningful title'. Below the title field, there are two radio buttons: 'Upload' and 'Create'. The 'Create' radio button is selected. A red callout box points to these options with the text 'Upload an existing H5P file, or.. create a new one'. Below the radio buttons is a 'Content type' dropdown menu. The dropdown is open, showing a list of options including 'Documentation Tool', 'Drag and Drop', 'Drag Text', 'Fill in the Blanks', 'Find the Hotspot', 'Flashcards', 'Greeting card', 'Guess the Answer', 'Iframe Embedder', 'Image Hotspots', 'Interactive Video', 'Mark the Words', 'Memory Game', 'Multiple Choice', 'Question Set', 'Single Choice Set', 'Summary', 'Timeline', 'True/False Question', and 'Twitter User Feed'. The 'Multiple Choice' option is highlighted in blue. A red callout box points to the dropdown menu with the text 'Choose question type'. At the bottom of the dropdown menu, there is a small tooltip that says 'Select the library you wish to use for your content.'

- Or you can **upload** an existing H5P file (for instance a question that you downloaded from AnatomyTOOL previously and stored on your computer). After you have uploaded it, you can adapt it to your own liking.

Create Interactive content

Title *

h5p-content-56625

HTML5 Content

- Upload
- Create

HTML 5 Package

No file selected.

Select a .h5p file to upload and create interactive content from. You may start with the [example files](#) on H5P.org

If the question you uploaded, was created by someone else, make sure to attribute the original in the textbox 'Credit'. Example:

Notes

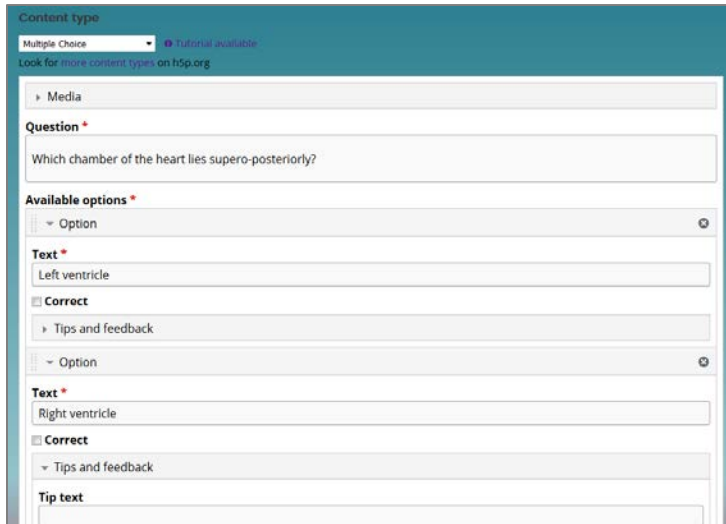
Copied from original question 'Gen 2.4 abdomen Q#6' by C. Hulsman at <http://anatomyTOOL.org/content/gen-24-abdomen-q6> under CC BY SA license. Corrected typo.

[Learn more how to correctly credit materials under Creative Commons license.](#)

- If you upload an existing H5P question, you can skip 'Step 2. Create the question itself' and continue with 'Step 3 Provide metadata'.

Step 2. Create the question itself

A specific form will open dependent on the type of question you chose. The form 'Multiple Choice' is shown here. Create your question in this form.



The screenshot shows the 'Content type' form for a Multiple Choice question. At the top, it says 'Multiple Choice' with a dropdown arrow and a 'Tutorial available' link. Below this is a 'Question' field containing the text 'Which chamber of the heart lies supero-posteriorly?'. There are two 'Available options' sections. The first has a 'Text' field with 'Left ventricle' and a 'Correct' checkbox. The second has a 'Text' field with 'Right ventricle' and a 'Correct' checkbox. There are also 'Tips and feedback' fields for each option.

- **Tutorials**

For many question types, tutorials are available:

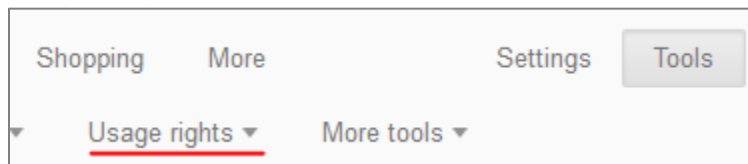


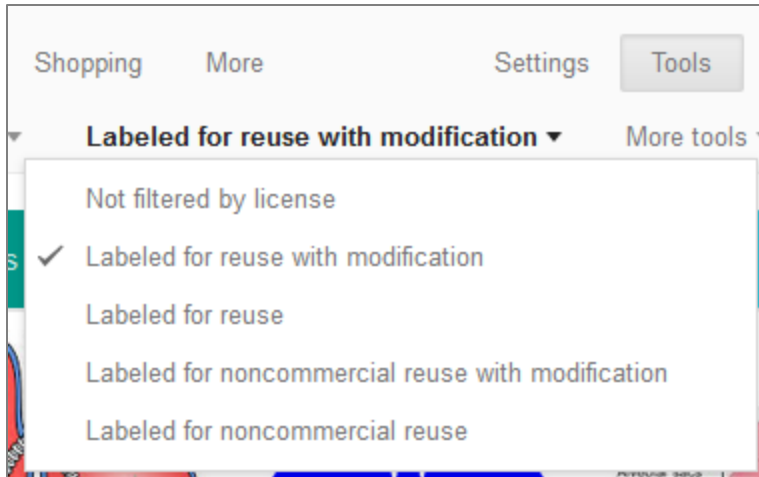
- **Language**

The questions may be in any language. However, questions in English are preferred because they are usable by a larger audience.

- **Images**

If you use images, please only use images that are released for reuse, because AnatomyTOOL is intended for open content. You can find it in Google using Tools> Usage Rights.



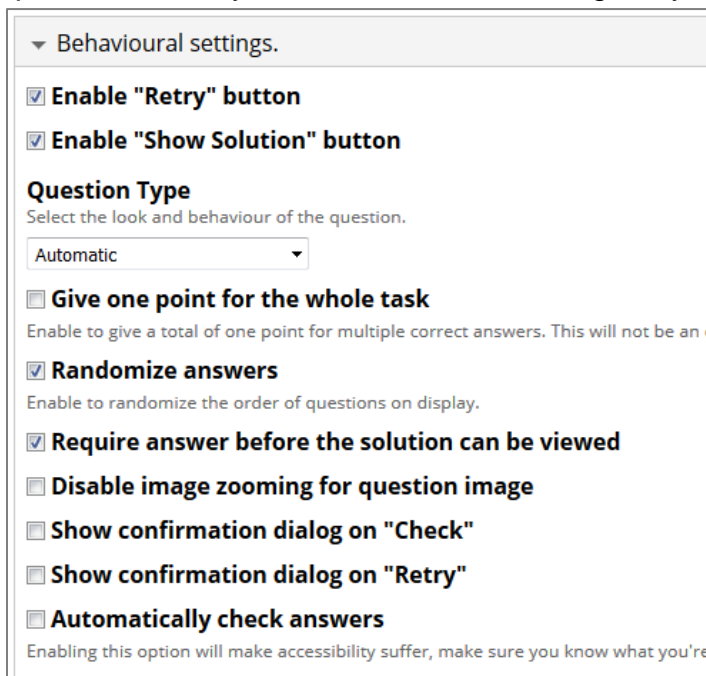


All forms of 'Labeled for reuse' are fine. If you want to customize the image, you must choose a form that allows 'modification'.

Typically, the materials will have a so-called "Creative Commons" license. This will be displayed with the image. Then you should attribute the source and mention the license wherever you use the image.

- **Behavioural settings**

After creating the question, optionally adapt the **behavioural settings** of the question. Usually there's no need to change anything here.

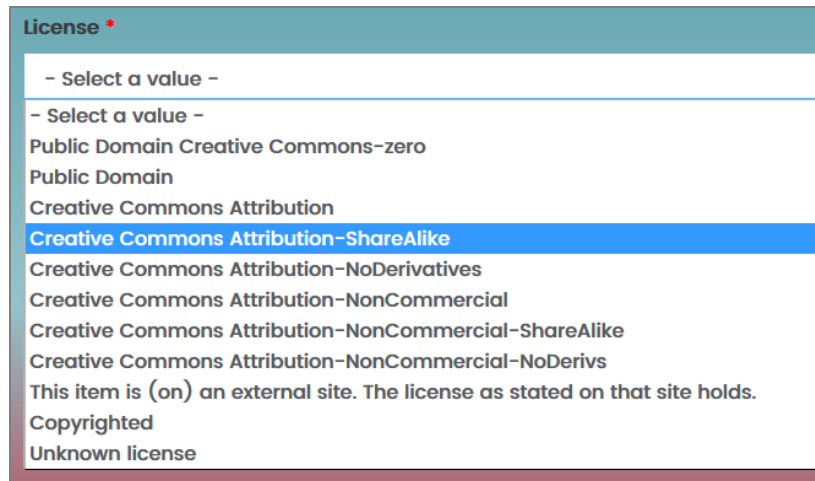


Step 3. Provide metadata

You will need to provide some information about the question you created:

- **About the question: License, institution, language**

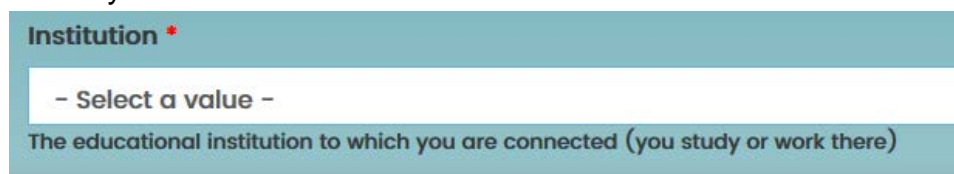
Select a **license** for the question.



Which should I choose?

- All [Creative Commons licenses](#) ensure that you will be credited.
- **Creative Commons Attribution ShareAlike** is the license used by Wikipedia. It is generally a good choice.
- If you don't want someone else to benefit financially from your work, choose a license with a **NonCommercial** tag. In this case you retain the possibility to exploit the resource commercially yourself.
- If you refer to a web site or image outside AnatomyTOOL, choose 'The item is (on) an external site. The license as stated on that site holds.'
- If you simply want anyone to be able to use and adapt your work freely and also don't mind to be credited, you can choose '**Public Domain**'
- Do **not** use 'Copyrighted'. Copyrighted materials are normally not allowed on AnatomyTOOL. It is included in the option list for specific cases.
- Get help to choose: <https://creativecommons.org/choose/>

Select your **institution**

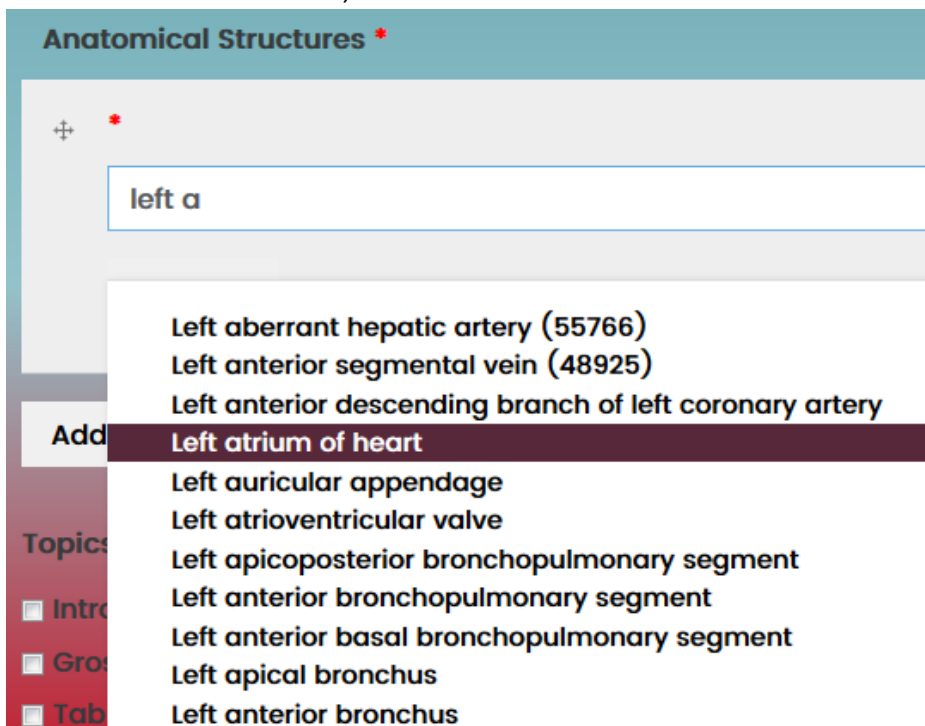


Select the **language** of the question.



- **What is the question about? Anatomical structures, topics, level**

Tag the question with one or more **anatomical structures** that the question is about. Preferably choose specific structures instead of generic structures (e.g. 'left atrium' instead of 'heart').



Tag the question with one or more **topic** categories.



Topics *

- Introductions
- Gross
- Tables & diagrams
- Dissection
- Embryology
- Microscopy
- Radiology
- Anatomy in Practice
- Pathology
- Variation
- Fun / mnemonics

- 'Introductions' is meant for introductory tutorials (e.g. 'types of blood vessels', classification of the nervous system, etc.).
- 'Gross' anatomy = macroscopic anatomy (i.e. not microscopic)
- 'Tables and diagrams' is meant for listings, schemes etc.
- 'Anatomy in Practice' is meant for applications of anatomy, e.g. clinic, sports

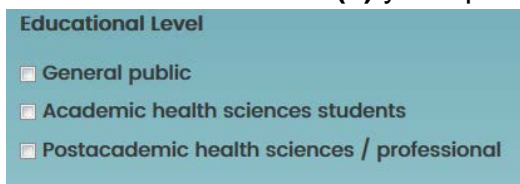
- **Optional additional information**

Dependent on the type of item, additional information can be added optionally.

▶ **More... (educational level, credits, etc)**

Examples:

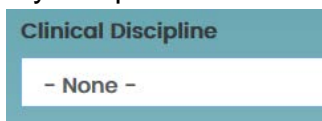
Indicate for which **level(s)** your question is suitable



Educational Level

- General public
- Academic health sciences students
- Postacademic health sciences / professional

If your question has **clinical aspects**, indicate the appropriate specialty.



Clinical Discipline

- None -

Why should I fill this all out?

Your question will be findable by the anatomical structures and the topics (and the other selections) that you tagged it with. Items tagged with specific structures will also be found when users use generic search terms (*e.g. a question tagged with 'left atrium' will be found if a user searches for questions about the 'heart', the 'cardiovascular system', the 'mediastinum', the 'chest', etc.*)

Finally, confirm (if true) that your submission does **not infringe** on copyrights or inflict rights of any individuals → Save.

I declare that I have read and understand the [Terms of Service](#) and [Privacy Policy](#) of AnatomyTOOL and am legal. The material I submit here, it does not infringe on copyrights and does not inflict rights of any individuals. *

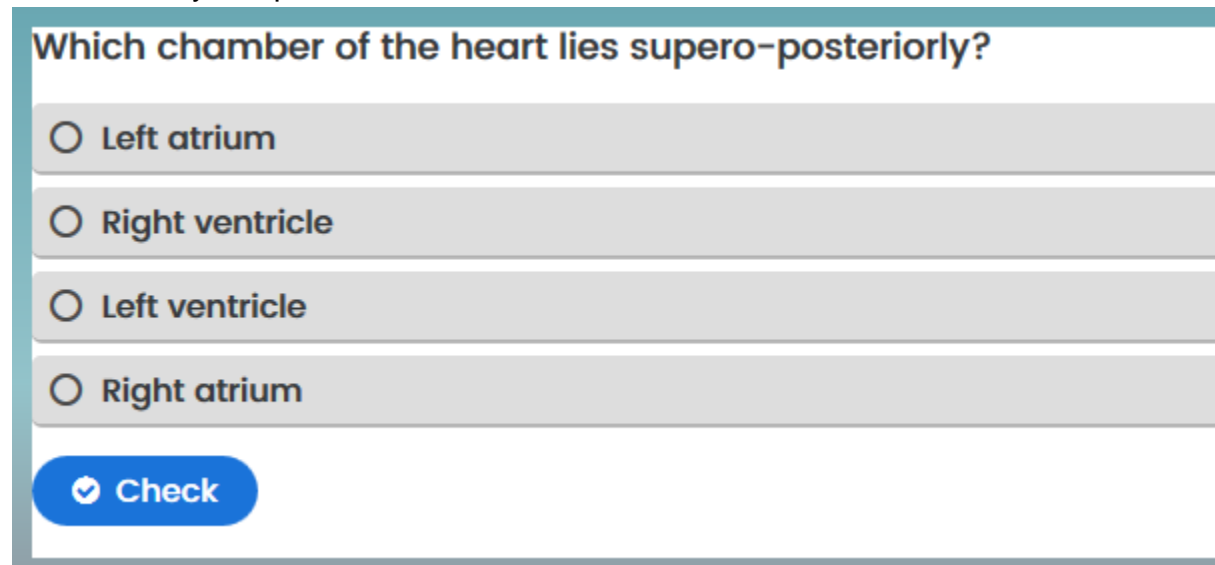
Note. You are logged in under a student account. Your submission will be *automatically deleted* after 16 months. If your material you submit may be copied and posted *permanently* under the chosen license. [Read more](#)

Save

Preview

The finished question

And there is your question:



Which chamber of the heart lies supero-posteriorly?

Left atrium

Right ventricle

Left ventricle

Right atrium

→ Try if your question works as intended.

If something isn't as you like it, go to the tab 'Edit' to change it.



[View](#) [Edit](#) [Workflow](#)

Ready!