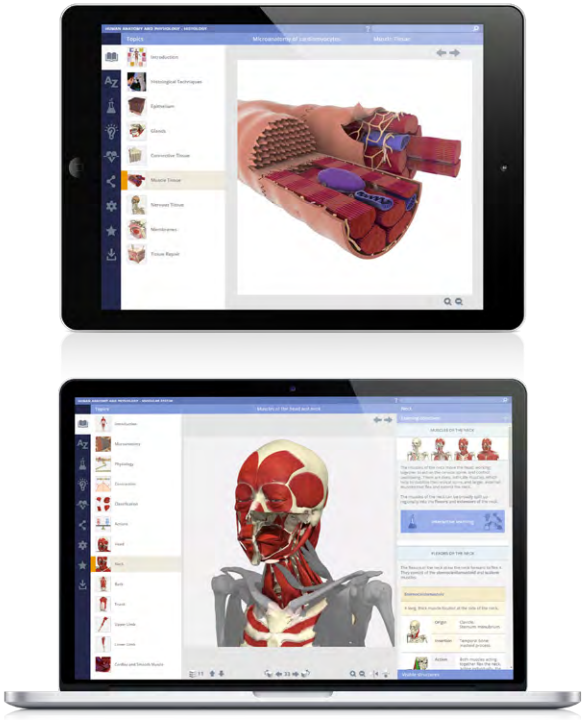
Primal's 3D Human Anatomy and Physiology

Welcome to our user guide to 3**D Human Anatomy and Physiology** on Anatomy.tv. Please read on, or select one of the links opposite to jump straight to a particular topic.



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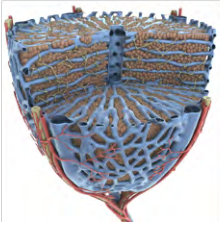
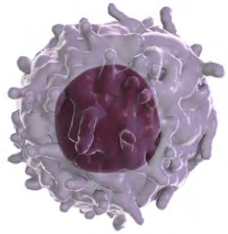




Main interface
Overview

The interface consists of three main areas:

Tab panel

Use this panel to navigate through the content, share and save media, and adjust the settings.

1

View panel

This area is where you can view and interact with content.

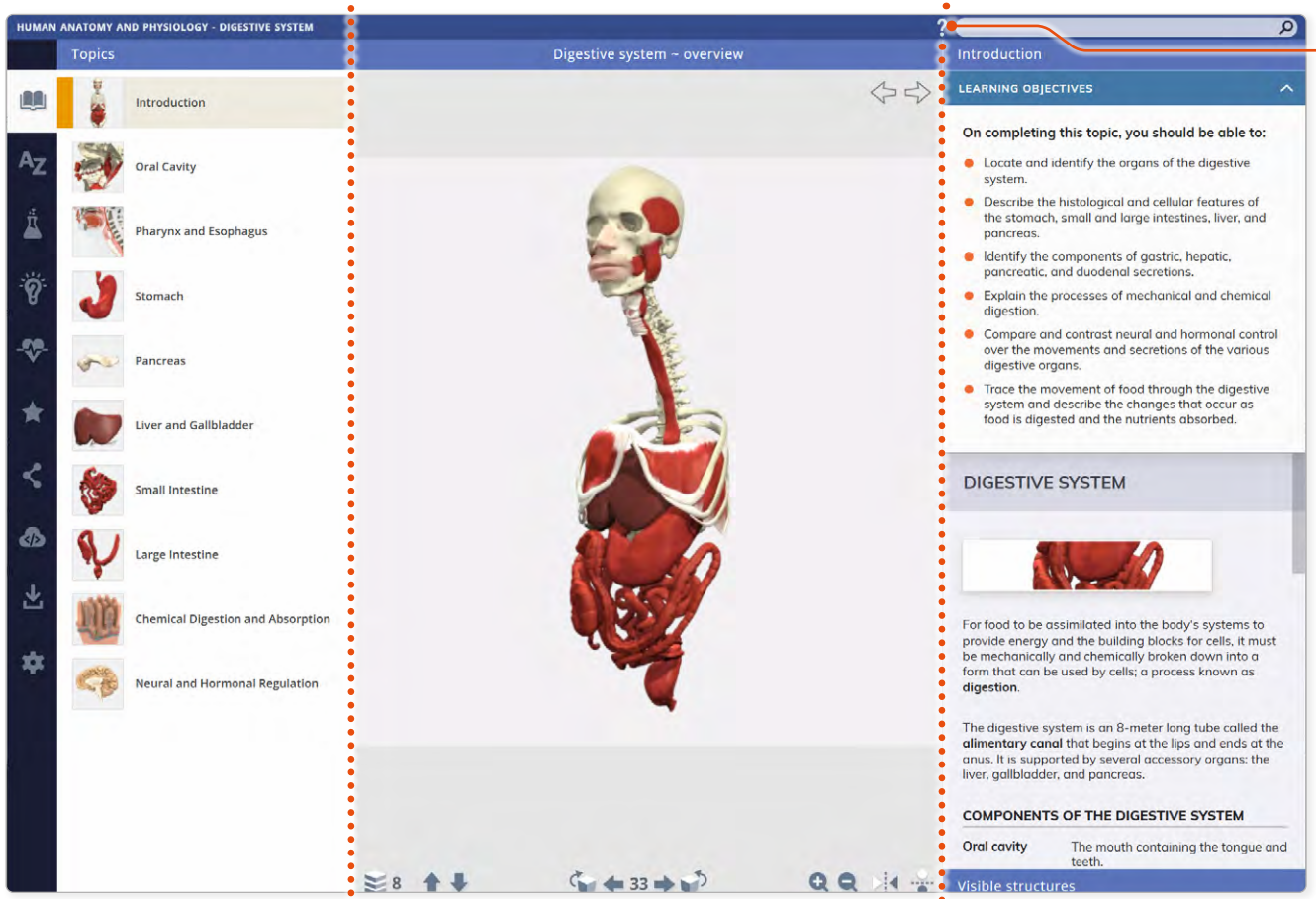
2

Text panel

This panel is where you can read detailed Topic text. You can also Search for content, review your Learning objectives, and explore the list of Visible structures.

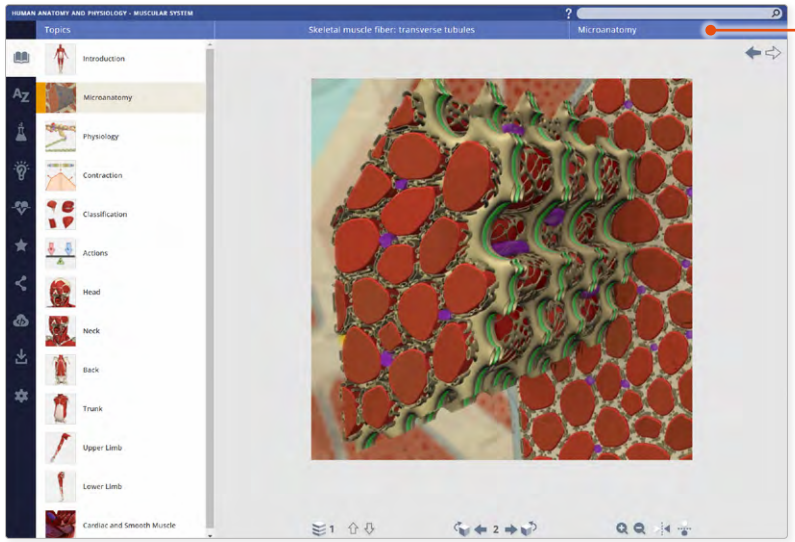
3

You can access the Help pages on Anatomy.tv at any time by clicking on the question mark.



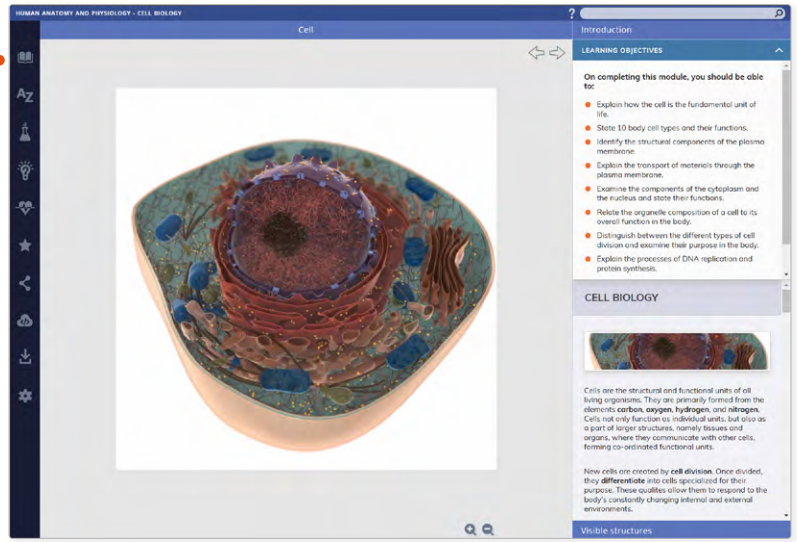
Main interface
Opening and closing panels

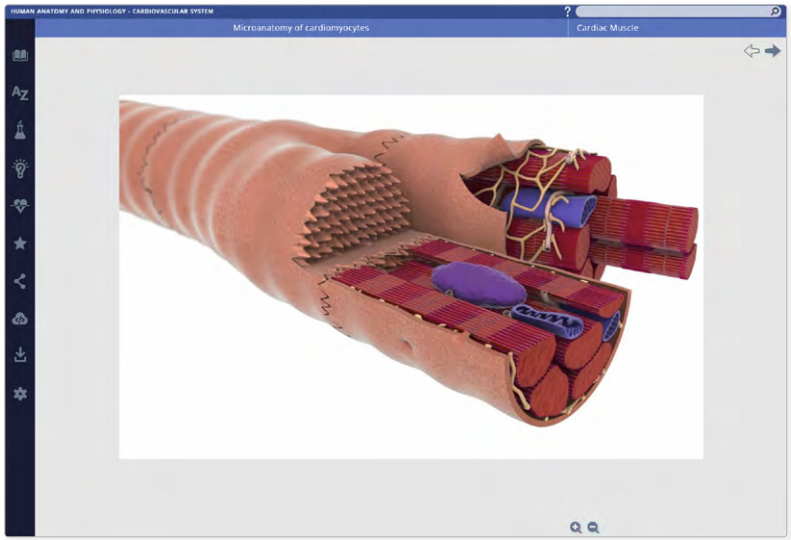
You can arrange the workspace to suit your needs.
This can be especially useful on smaller screens or tablet devices.



To open or close the **Text panel**, click on the header.

To close the **Tab panel**, click on the active menu tab.

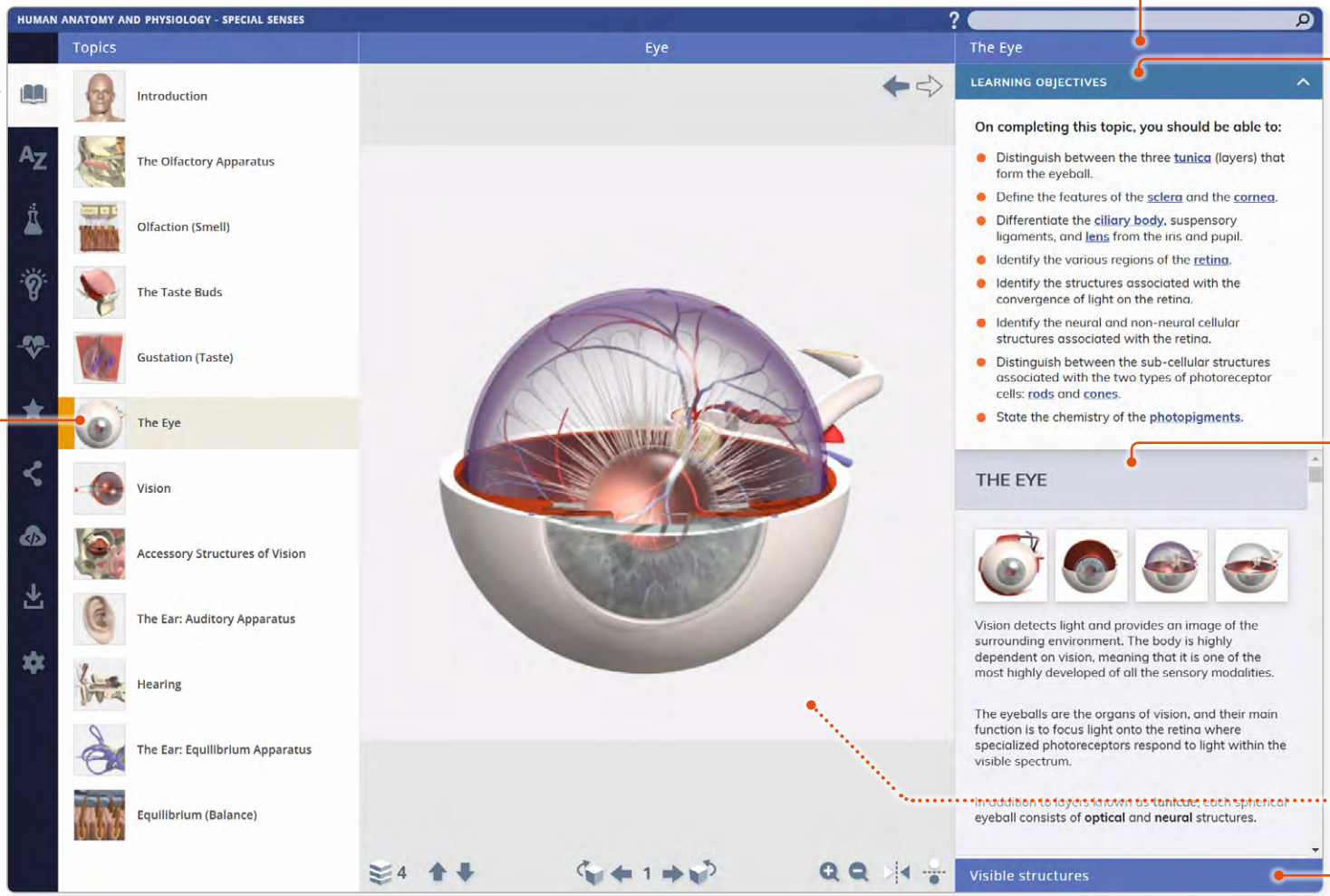




For even more focus, both panels can be closed.

Main interface
Topics panel

Each module is divided into a series of topics which are accessed in the **Topics** panel.



1
Select a topic.

2
The Text panel updates with the topic's associated content.

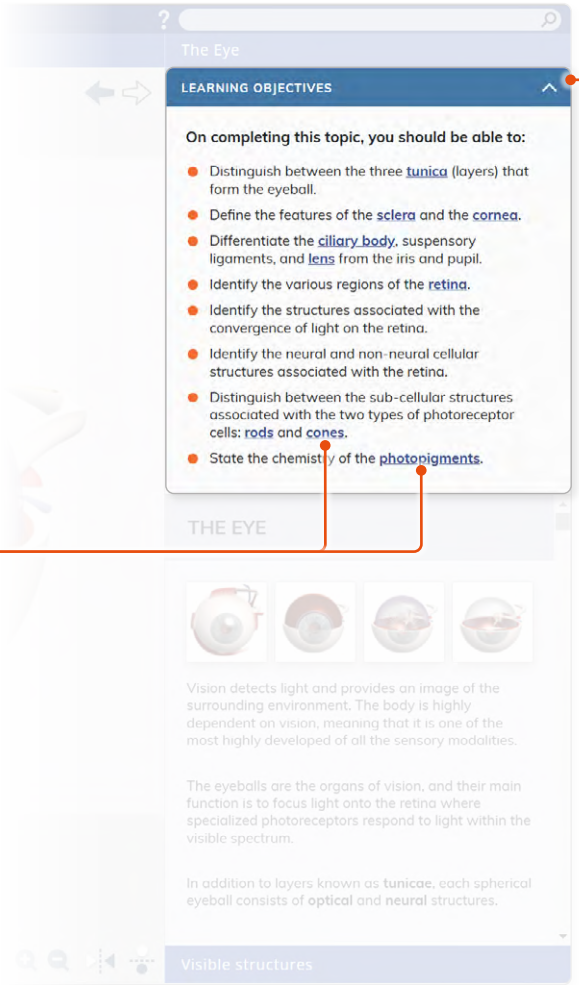
Learning objectives
Summarizes the content you should be able to understand after studying each topic.

Topic text
Contains comprehensive anatomy and physiology text with embedded multimedia, as well as supplementary Interactive learning activities.

Visible structures
Click on the Visible structures bar to show a list of selectable anatomy currently visible in the View panel.

Main interface
Learning objectives

The **Learning objectives** area lists the key knowledge required for a thorough understanding of that topic. The objectives can also be used as revision aids when you come to review the topic.

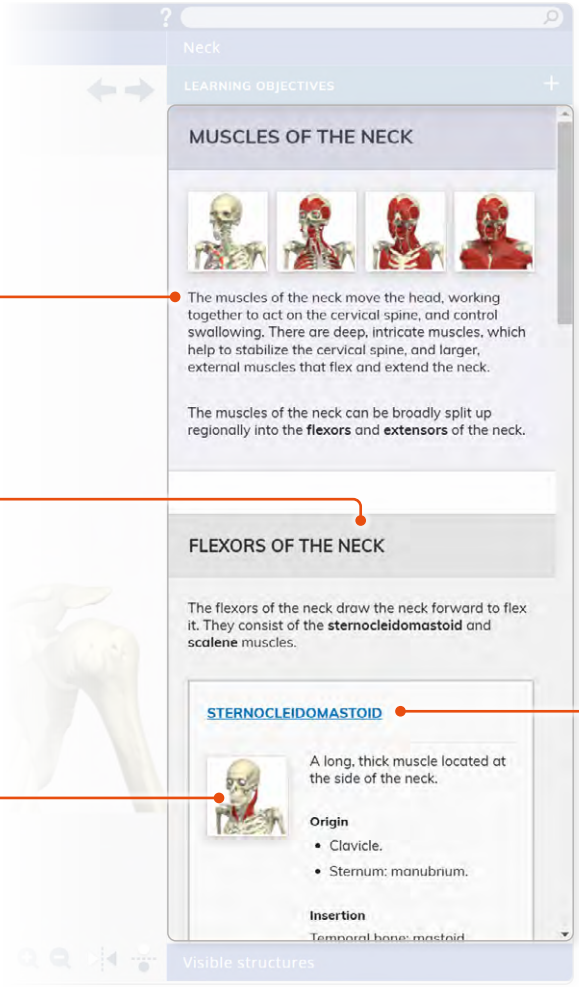


The Learning objectives can be minimized by clicking on this icon.

If you need to review any content, the blue links within each set of objectives take you directly to the relevant place in the Topic text.

Main interface
Topic text

The anatomy and physiology **Topic text** is clearly and concisely written, and is presented in easily digestible units of information to help facilitate learning.



Each topic begins with introductory text, providing an overview to the subjects covered.

Topics are sub-divided into subjects, all of which are clearly marked by a subject title.

You may also find clickable thumbnails relating to the topic text. Clicking on these will open the relevant content in the main View panel.

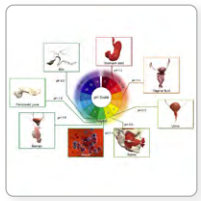
Clicking on blue text links will highlight the relevant structure in the View panel.

Main interface
View panel

The **View panel** can show
3D sequences, Movies, and Slides.

MOVIE

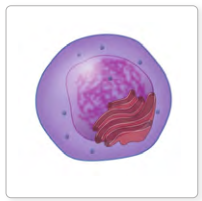
SLIDE – DIAGRAM



SLIDE – PHOTOGRAPH

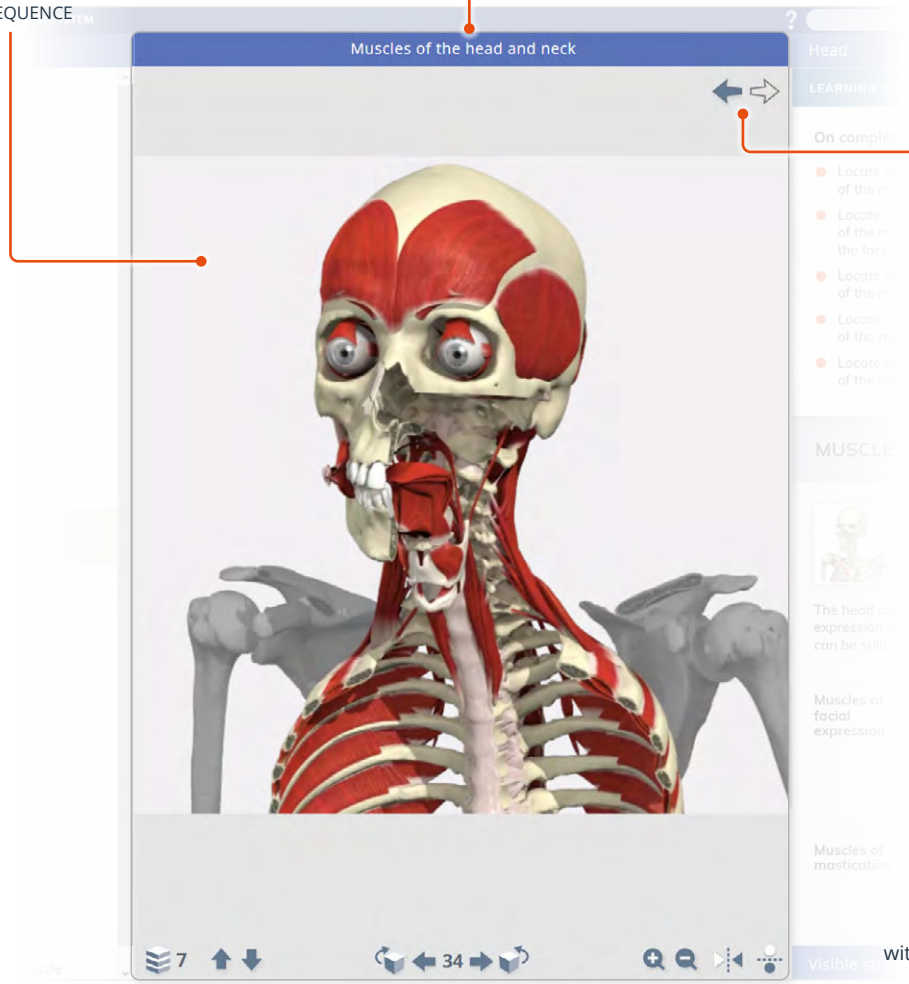
SLIDE – STATIC 3D IMAGE

SLIDE – ILLUSTRATION



3D SEQUENCE

The title of the View panel contents appears here. If you have selected a structure in the View panel, the contents title will be replaced by the structure's name.



Move quickly back and forward through your viewing history using these arrows.

Change how you see the image with the View panel controls. Which of these controls are visible will depend on the type of content currently being viewed.

Interacting with the 3D model
Identifying and selecting structures

All 3D sequences feature **rollover labels** to help you identify structures. Slides that have selectable structures also have this feature.

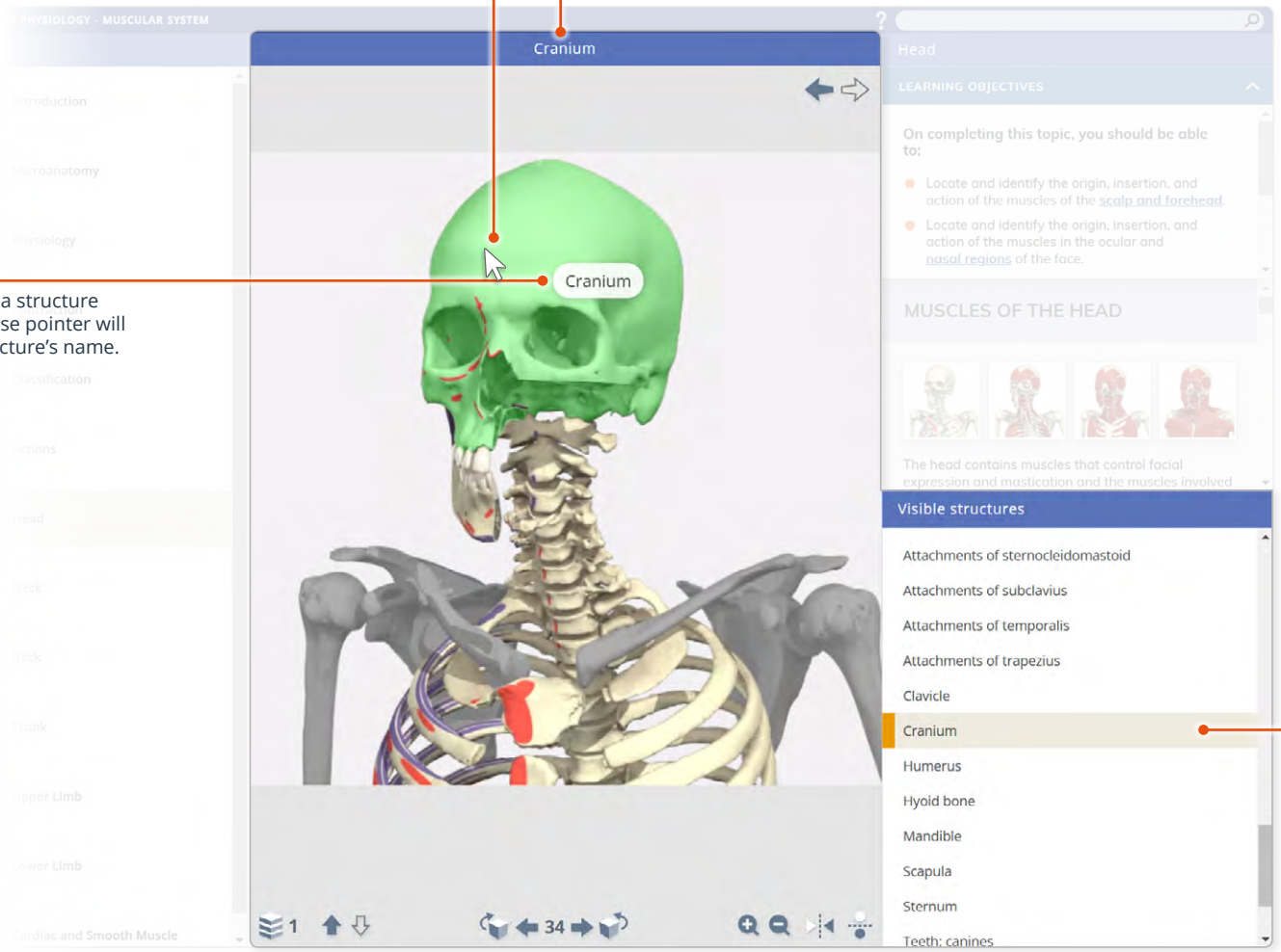
2

Click on a structure to highlight it.

The View panel title will update to show the structure's name.

1

Hovering over a structure with your mouse pointer will reveal the structure's name.



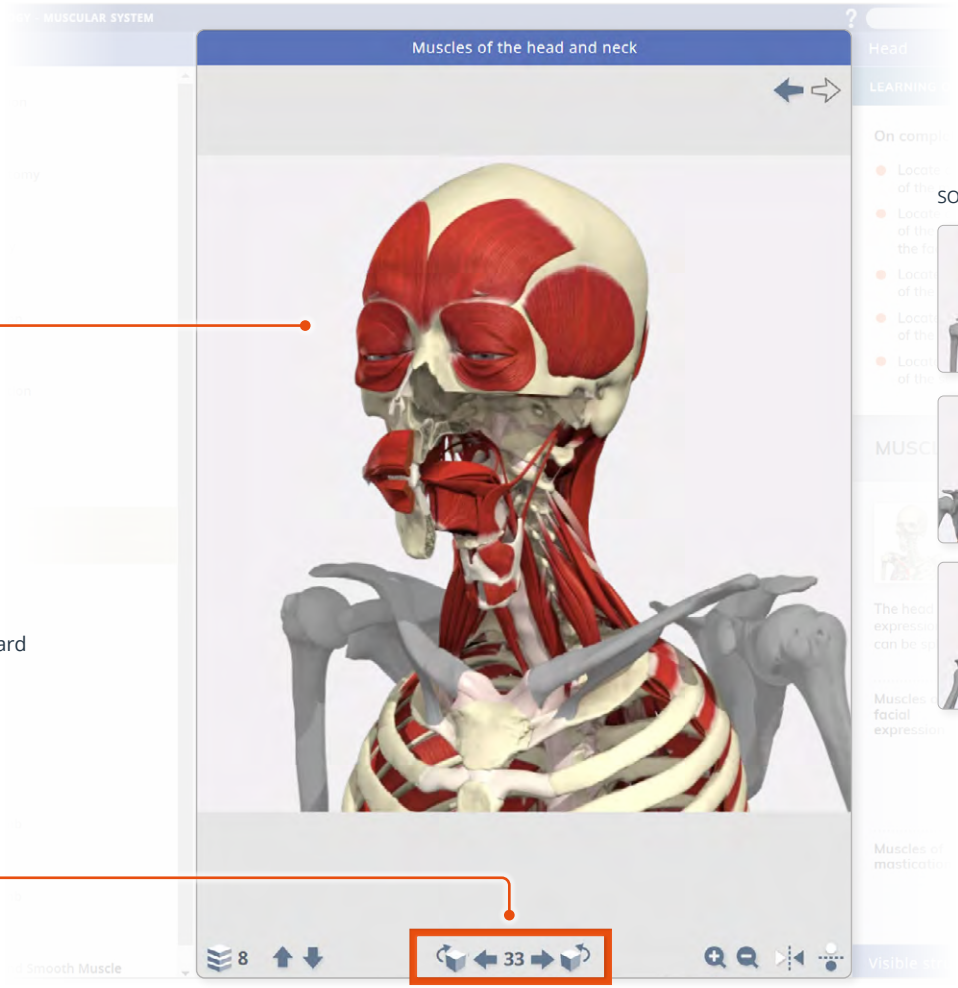
3

You can also select a structure from the list of **Visible structures**, located at the bottom of the Text panel.

Interacting with the 3D model
3D sequences

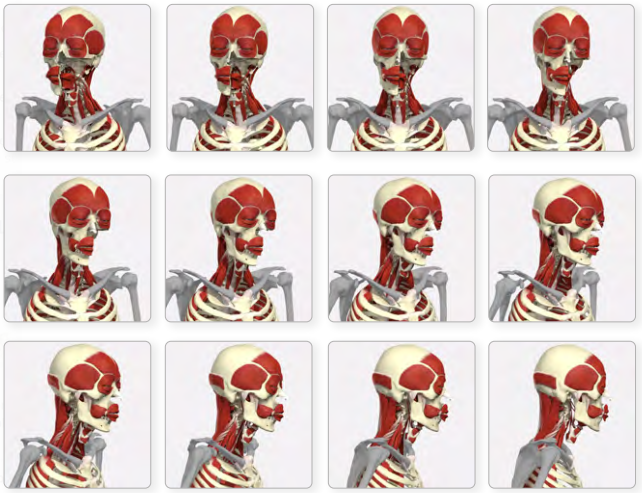
Every 3D view features a sequence of images.
These **3D sequences** usually take the form of rotations, enabling you to study the anatomy through 360 degrees.

3D VIEW



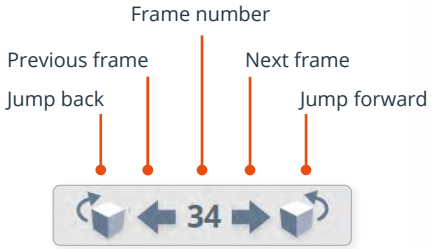
Frame controls

SOME FRAMES FROM A 3D SEQUENCE



Drag with your mouse or finger in the View panel to move through the frame sequence.

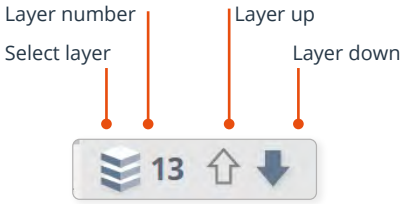
You can also control the sequence playback using the Frame controls:

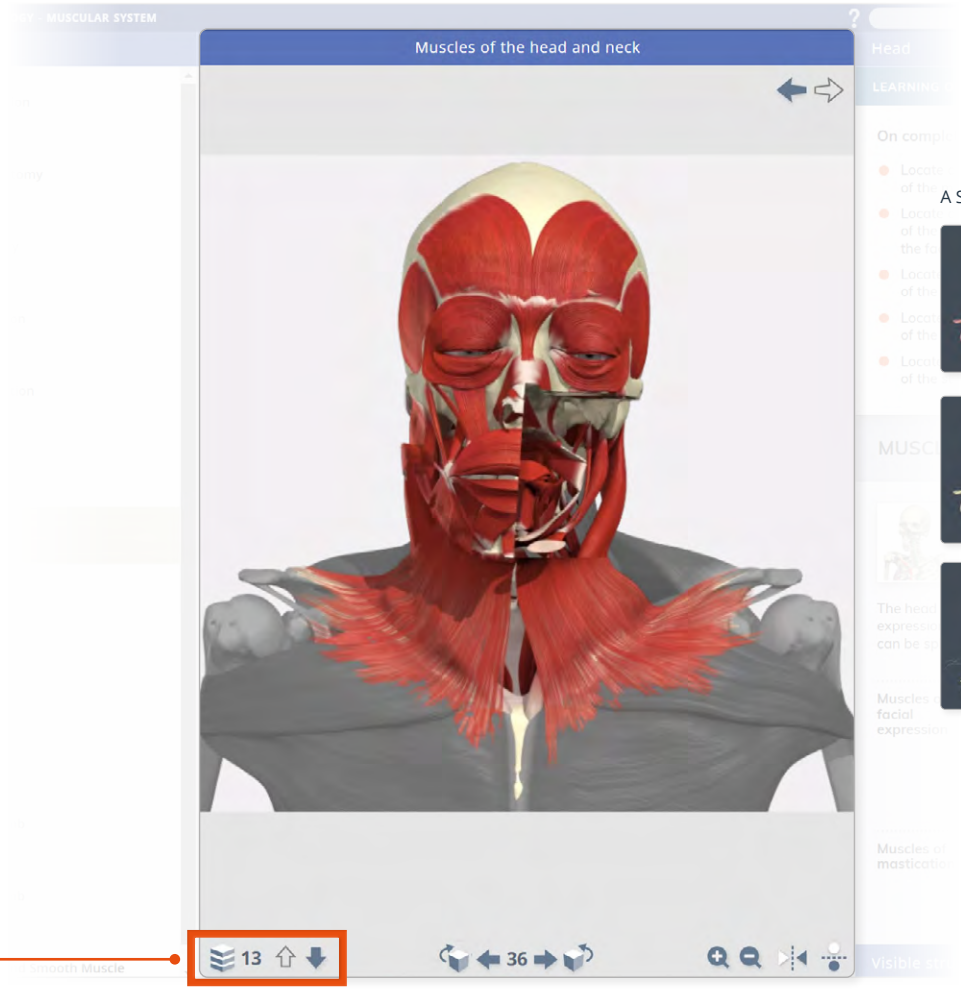


Interacting with the 3D model
Layers

3D views also feature numerous **layers** allowing you to study the relationships between the anatomical structures.

Move up and down through the layers using the **Layer controls**:





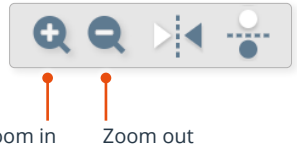
Layer controls

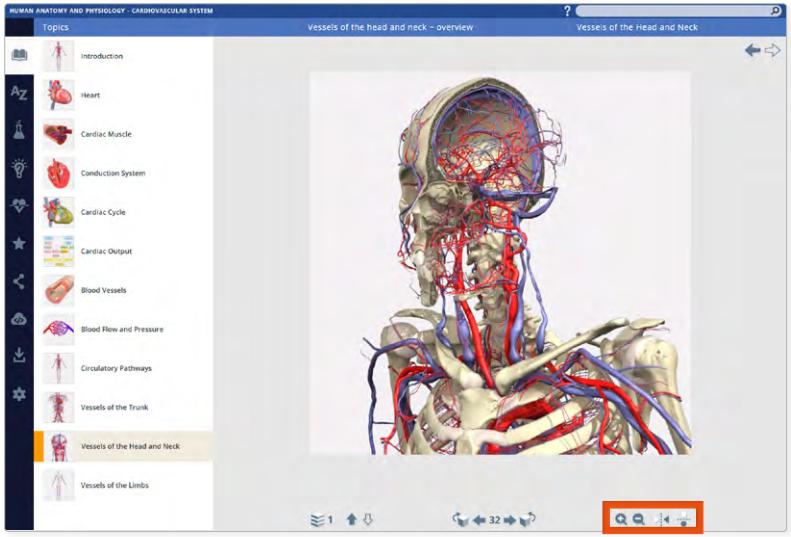
A SELECTION OF THE LAYERS IN THE HEAD AND NECK VIEW

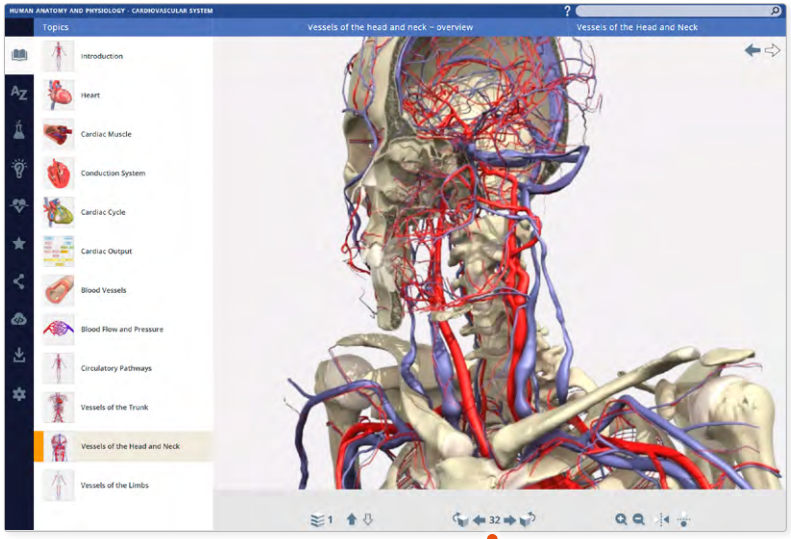
Interacting with the 3D model – Zoom and Flip

The **Zoom** controls allow a closer look at the model.

Note that the image will become less sharp as you zoom in. As an alternative to using zoom, you may well be able to find a closer view of the structure you are interested in by using the Search feature.

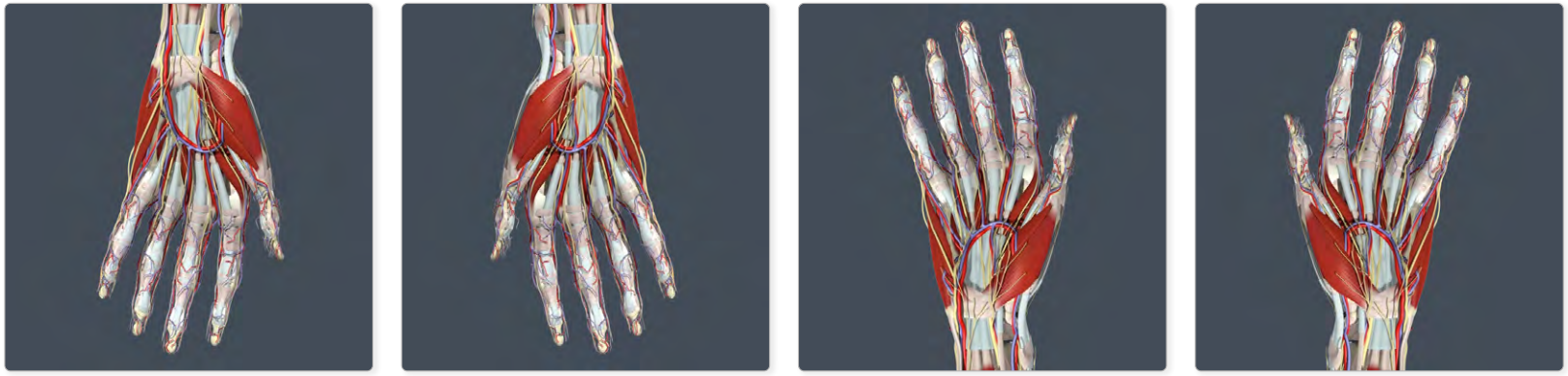






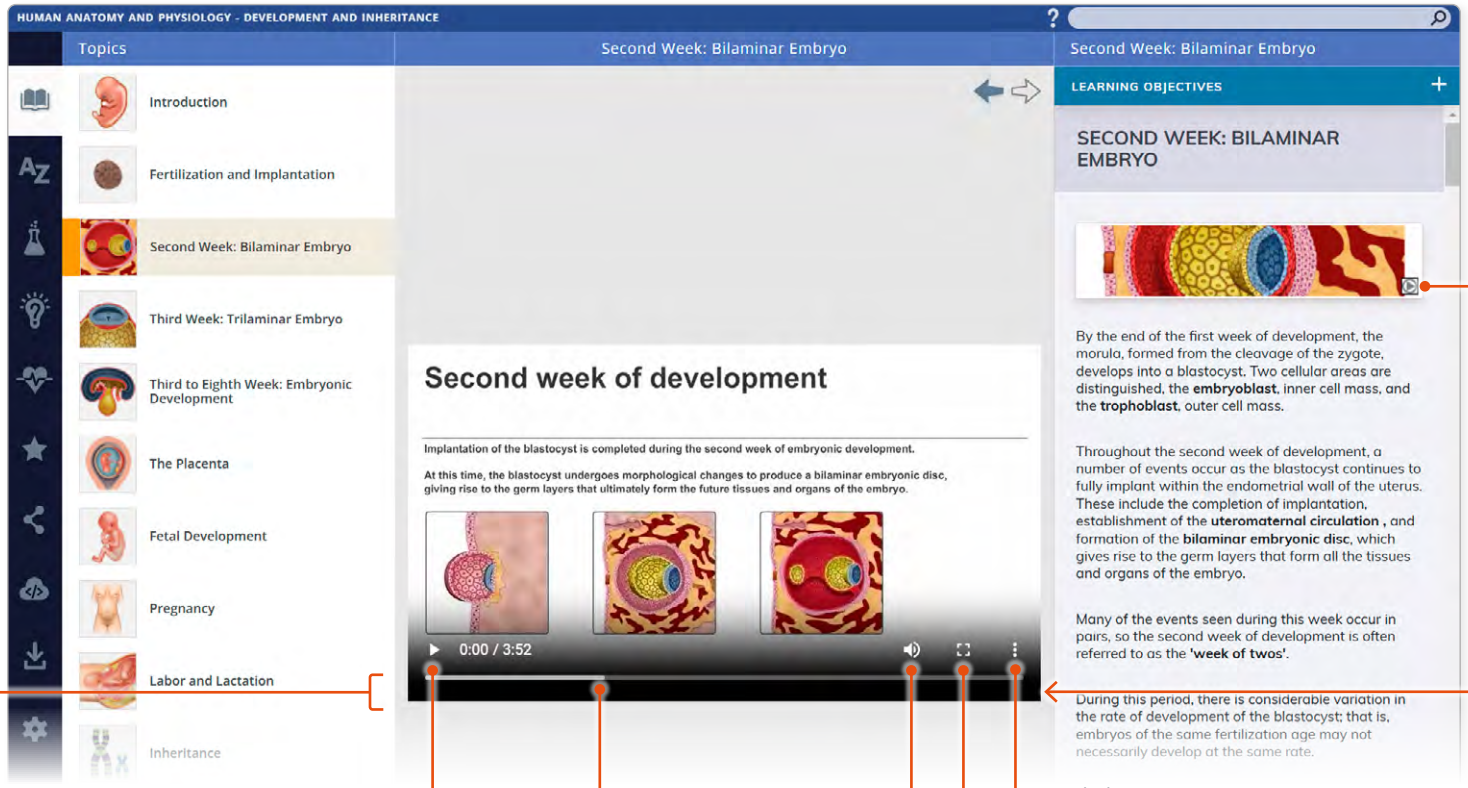
While zoomed in, dragging with the mouse or finger will move rather than rotate the image. If you wish to rotate the image while zoomed, use the Frame controls

The **Flip** controls are useful when you want to show the opposite side of the body, or change the view's vertical orientation.



Other content types
Movies

You will also find links to subtitled **Movies** in the Topic text.



Links to Movies are indicated by this play icon.

The movie control bar is visible when the movie is paused or when your mouse pointer is positioned over the movie.

Note that the movie playback controls are specific to the browser you are using, so may be different to those illustrated here.

Also note that the playback controls can sometimes cover movie subtitles. If so, unpause, or move your mouse pointer away from the movie.

Play/Pause

Scrub backwards and forwards

Volume/ Mute

Maximize

Extended menu:
- Download
- Captions
- Playback speed
- Picture-in-picture

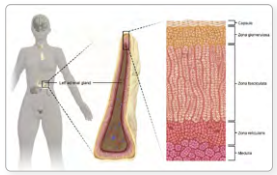
Slides

Slides can be static 3D images, diagrams, illustrations or photographs, many of which have selectable areas.

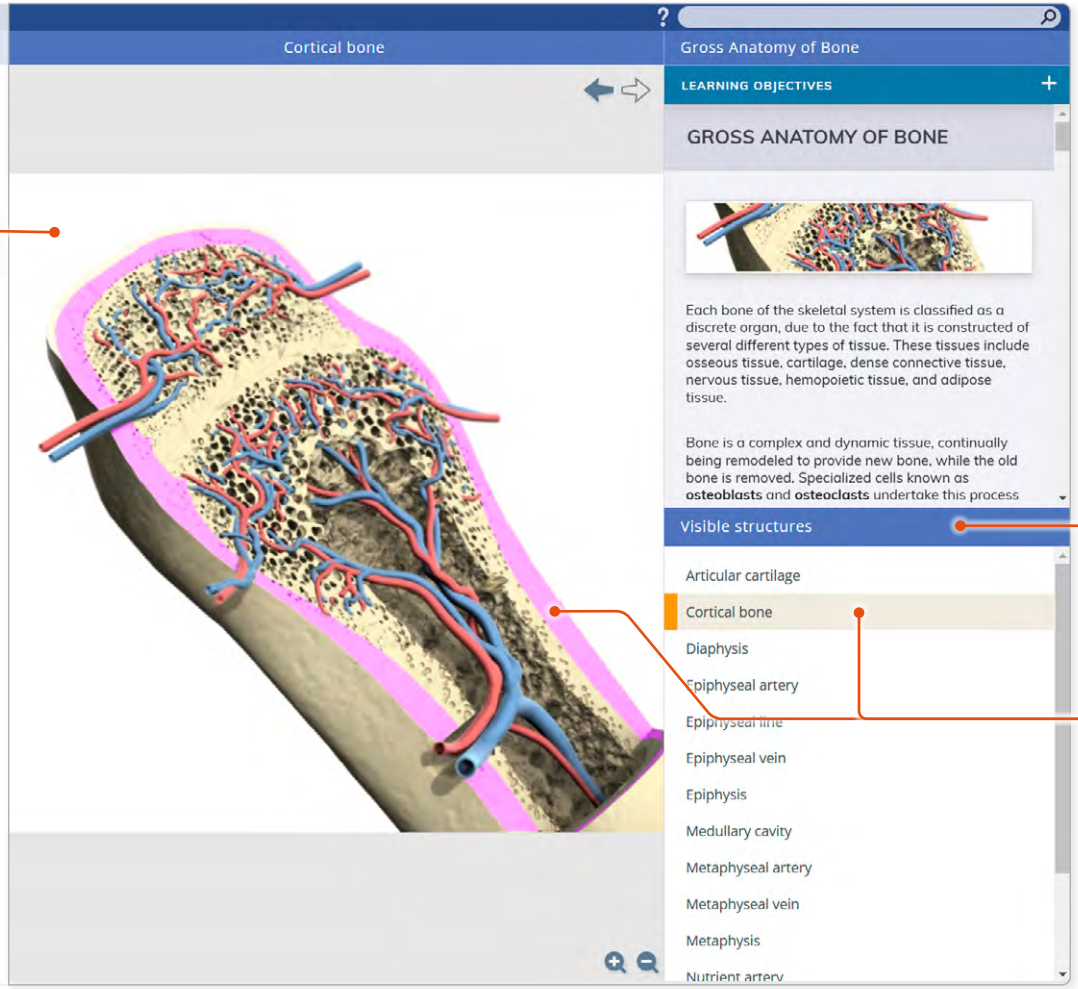
STATIC 3D IMAGE

ILLUSTRATION

DIAGRAM



PHOTOGRAPH



If the slide has selectable structures you will see the **Visible structures** bar. Click on it to see the visible structures list.

You can highlight a selectable structure by clicking on its name in the list. Alternatively, clicking on the structure in the image will highlight that structure in the list.

Finding content
Search panel

To find content within a module, use the **Search bar** on the top right.

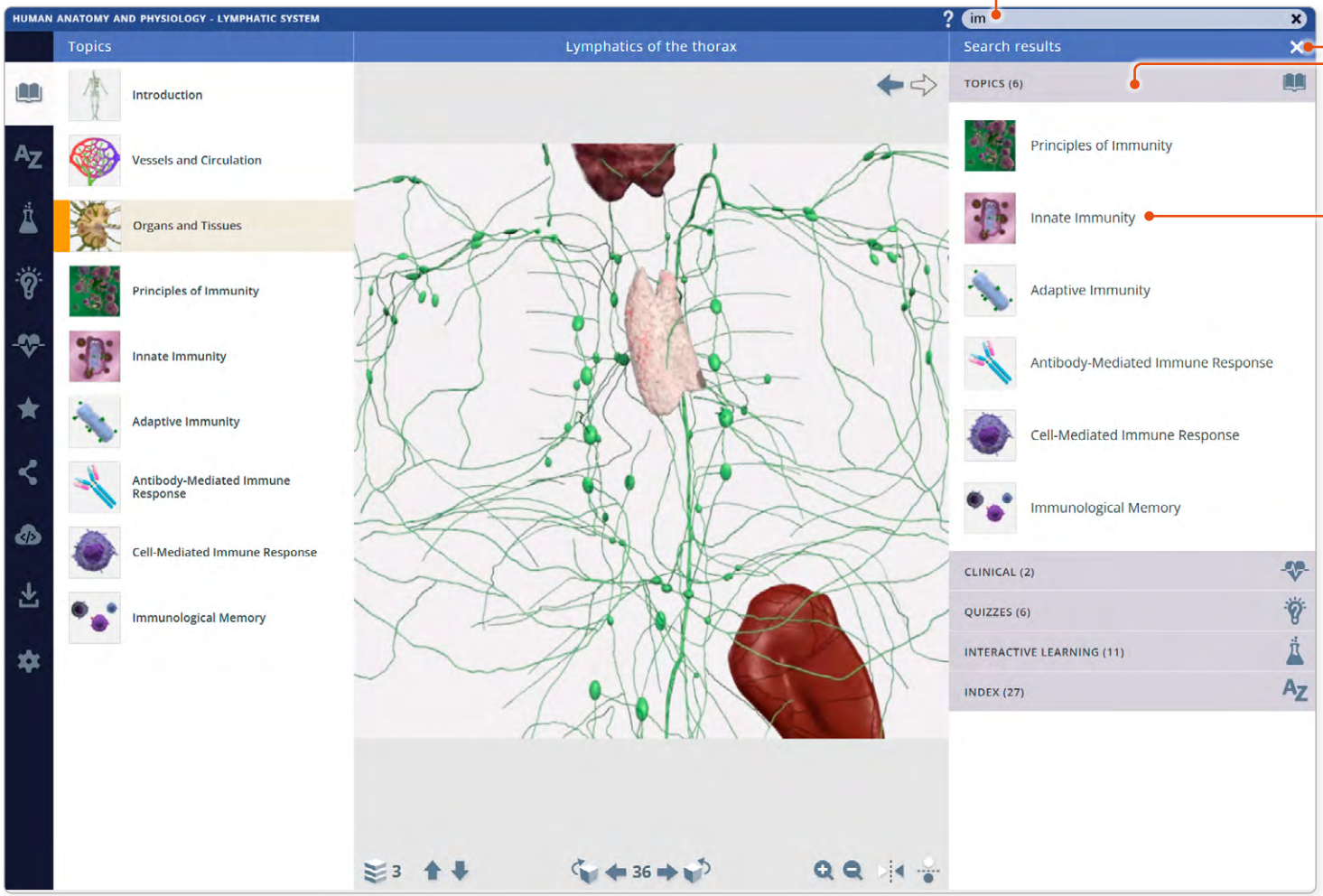
Begin typing your search term here – the **Search panel** will appear over the top of the Text or View panel below.

1

Once you have completed your search, close the Search panel by clicking on the cross.

The search results will appear sorted into folders.

Open a folder and click on the desired result to load the relevant content.

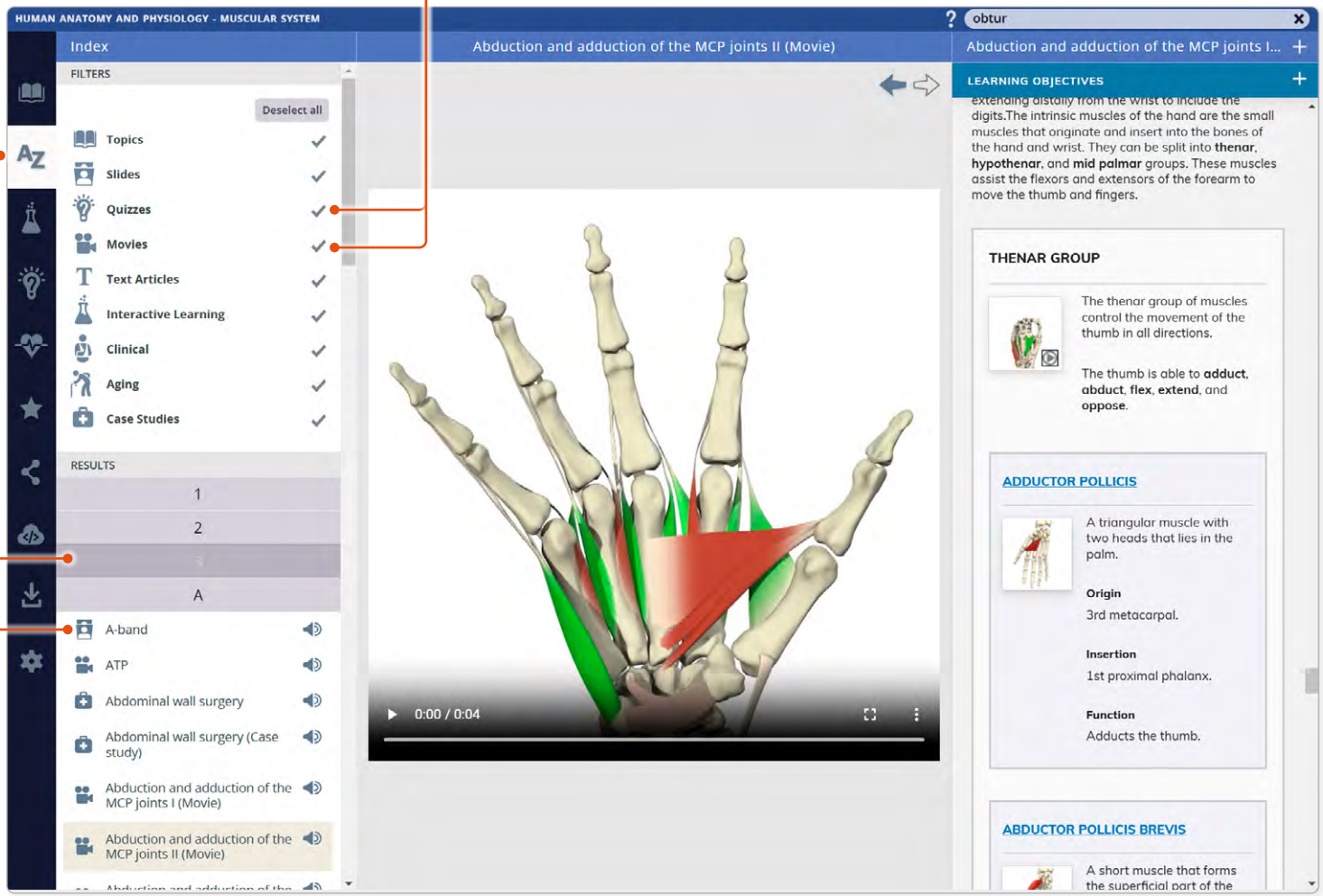


Finding content
Index panel

Use the **Index** panel to find content within a module sorted alphabetically.

If you are searching for a particular type of content, check or uncheck the filters.

INDEX TAB



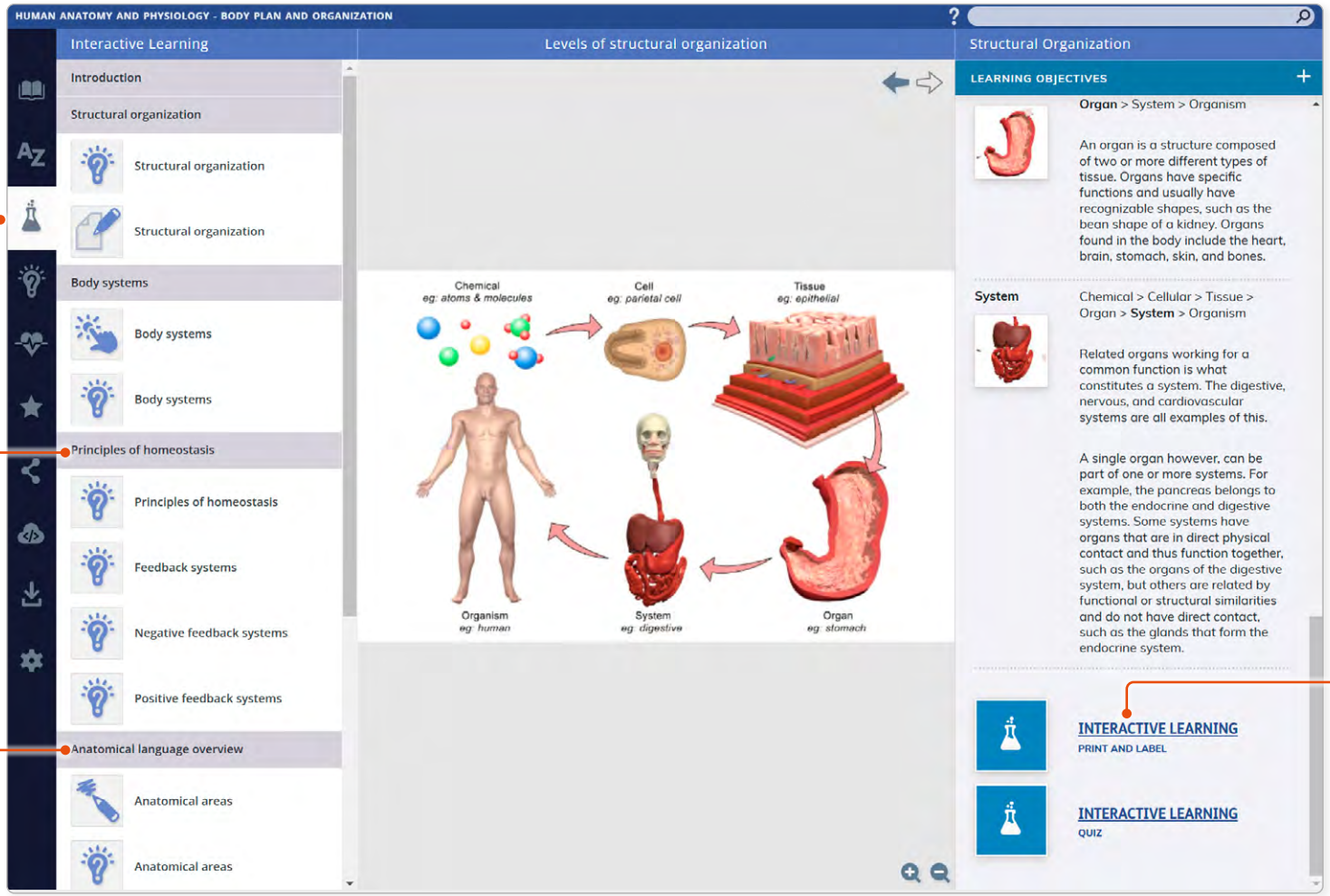
If there is no content for a particular letter, the folder will be grayed-out.

Each entry is accompanied by an icon, indicating the content type.

- Text
- 3D View
- Movie
- Slide

Applying your knowledge
Interactive Learning panel: overview

The **Interactive learning** panel contains activities to help you consolidate your learning.



INTERACTIVE LEARNING TAB

1

Each of the module's topics has a number of Interactive learning activities. There are four types:

- Quizzes
- Click a structure
- Coloring book
- Print and label

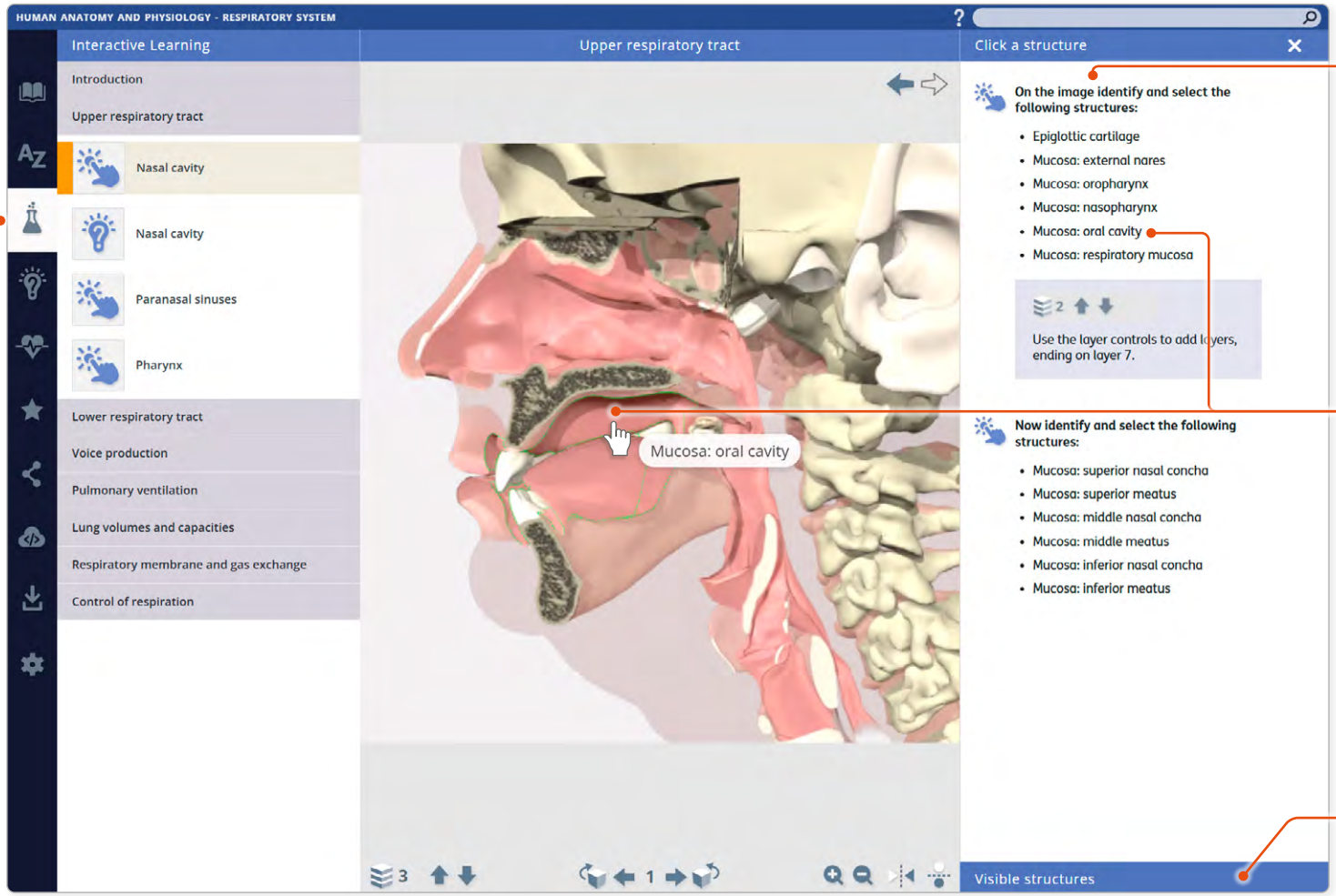
2

Alternatively, the same learning activities can be accessed from within the topic text.

Applying your knowledge
Interactive Learning panel: click a structure

Click a structure allows you to consolidate knowledge of key structures by carefully guiding you to interact with selected 3D views and Slides.

INTERACTIVE LEARNING TAB



1

This activity challenges you to identify the structures listed on the right-hand-side panel.

2

Try to identify the structure visually before hovering or selecting to confirm your answer. Alternatively, you may wish to turn off the rollover labels in Settings.

3

If you have trouble finding any of the structures, you can open the Visible structures list.

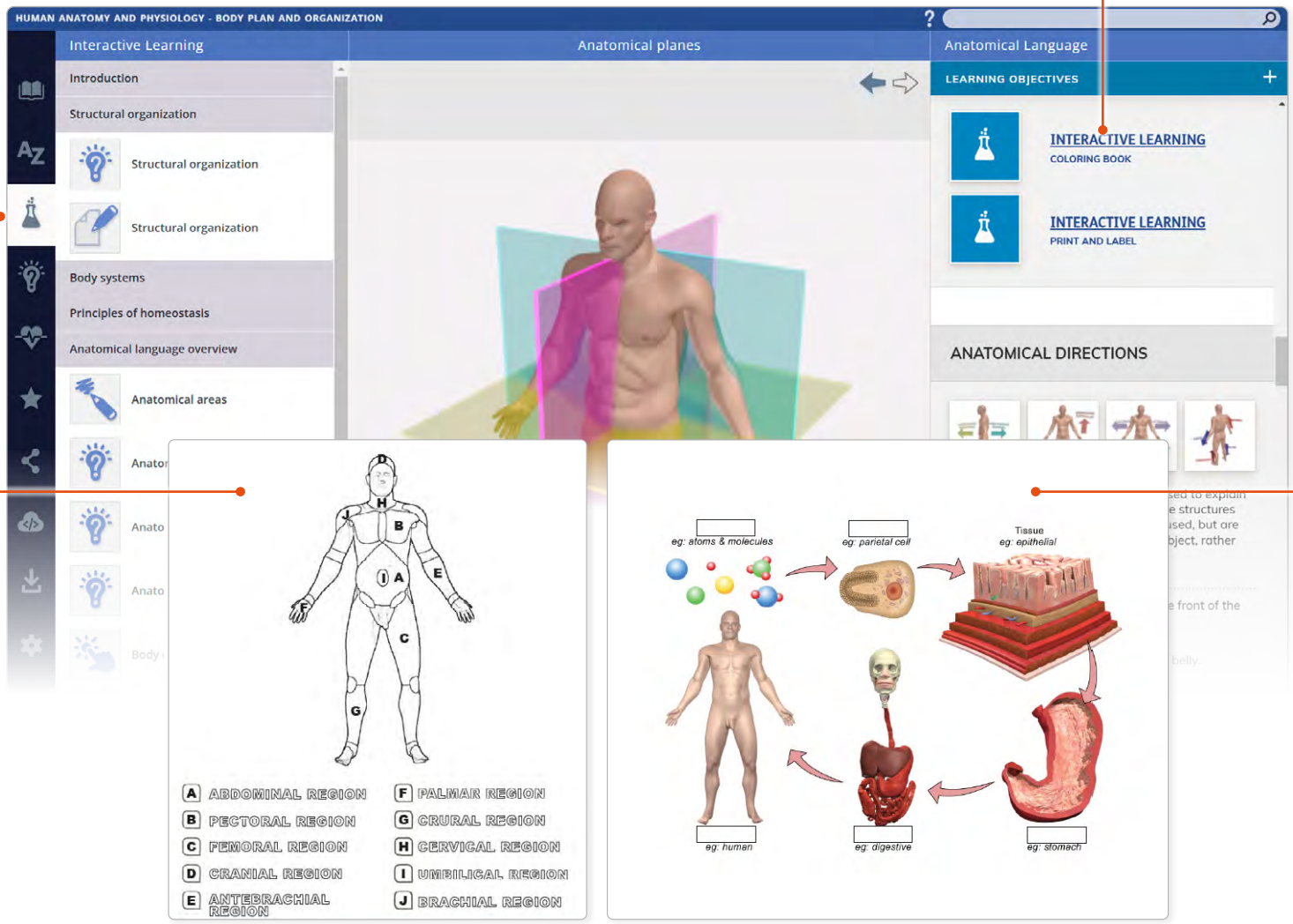
Applying your knowledge
Interactive Learning panel: color and label

The **Color and label** banners allow you to download two types of interactive learning activity:

1 Coloring book
2 Print and label

Hover over the banner to preview which type of activity it links to. Click on the banner to access the activity.

INTERACTIVE LEARNING TAB



Coloring book activities help you learn relationships between anatomical structures through the use of color-coding.

Color the structure name in the list below the image, and the corresponding structure on the model using the same color for both.

The second page of the coloring book features an advanced level where either the structure name, or the letter guides have been removed to make the activity more challenging.

The **Print and label** activities are designed to help you remember key anatomical and physiological principles.

Each activity features an illustration with several blank labels. The aim is to fill in the blanks with the correct anatomical structures or physiological processes.

If you need to refresh your memory, you can go back and find the full illustration within the module, at any time.

Applying your knowledge
Quizzes panel

You can test your knowledge of each topic by taking a quiz.

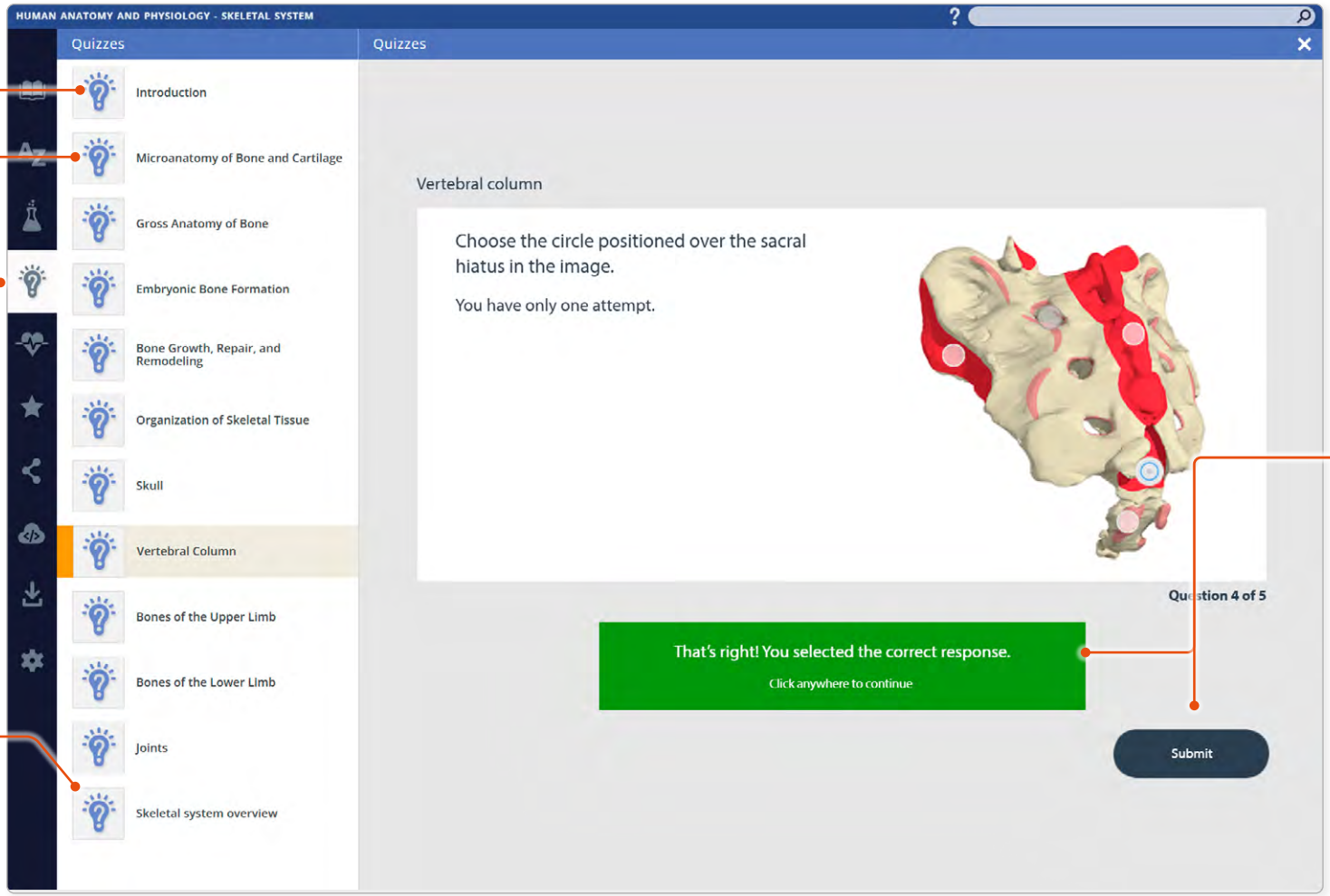
1

Topic quizzes cover the anatomy and physiology content of a particular topic.

QUIZZES TAB

2

The last quiz is the **Module quiz** which tests your knowledge across all of the topics contained within the module. You may wish to take the individual Topic quizzes first to practice.



4

Once you have selected your answer to a question, click the **Submit** button. Once you have submitted your answer, it cannot be amended. The result will be displayed immediately.

At the end of each quiz, you will be able to see your points total, indicating whether or not you have passed.

You will be able to review the quiz questions and your answers against the correct responses.

Applying your knowledge
Clinical Correlates panel

The **Clinical Correlates** panel extends your knowledge of anatomy, detailing conditions relevant to the module.

Clinical

Learn about common clinical conditions associated with a particular body system.

This section includes an overview of a clinical condition followed by text on its causes, symptoms, diagnosis, and treatment.

CLINICAL CORRELEATES TAB

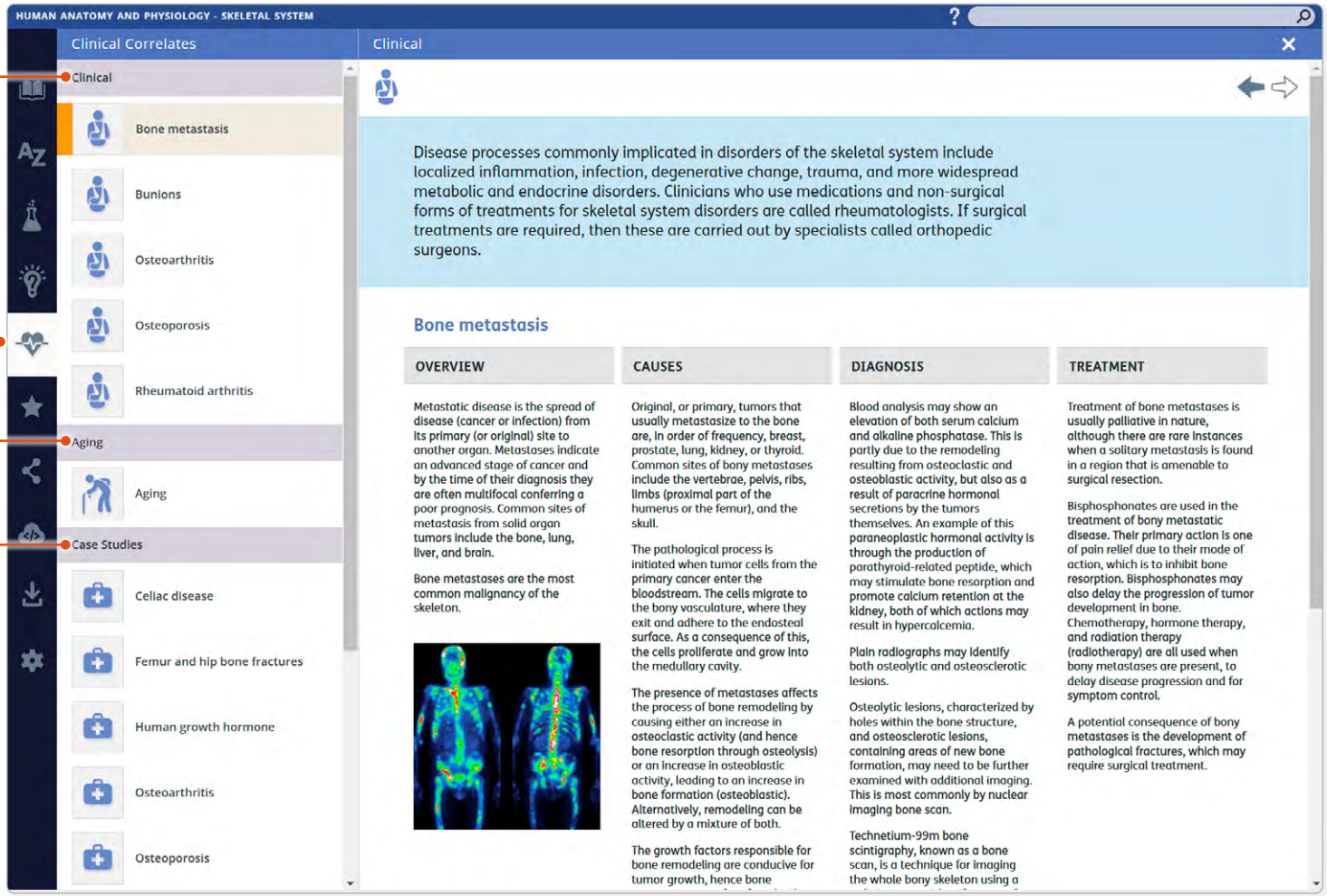
Aging

Learn about how aging affects the relevant body system.

Case studies

Case studies are an excellent way to test your knowledge once you have completed a module.

This section includes questions to test your knowledge and understanding of the causes, symptoms, diagnosis, and treatment of common clinical conditions.



Other features
Favorites panel

Use the **Favorites** panel to save links to your favorite content.

Add favorite

Opens the Add Favorite dialogue box, where you can specify a name and folder location for your new Favorite.

Add folder

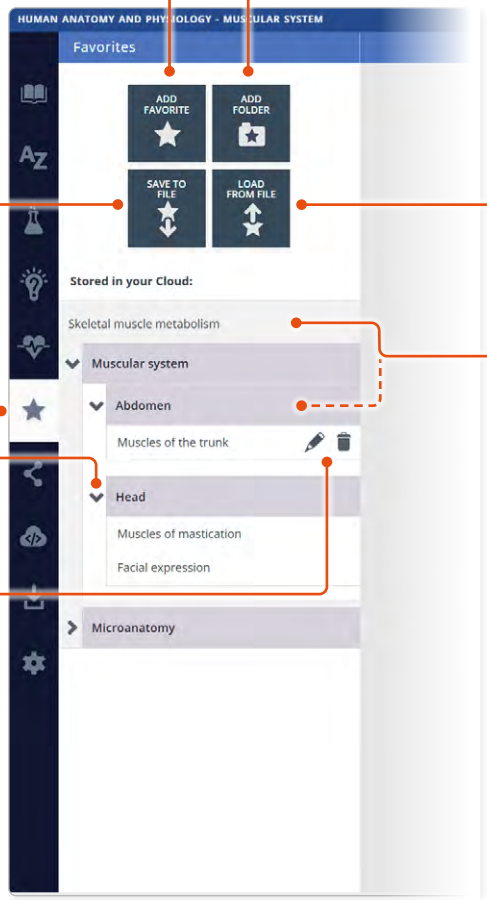
Opens the Add folder dialogue box where you can specify a name and location for your new folder.

Save to file

Favorites are stored locally on your computer. If you would like to access them on another computer, you will first need to **Save to file**. This creates an .txt file which you can then transfer to the other computer.

Load from file

Use the **Load from file** button to import your previously created Favorites .txt file to the new computer.



FAVORITES TAB

You can relocate your Favorites and Favorites folders by dragging them.

Opening folders

Open folders by clicking on the arrow to their left.

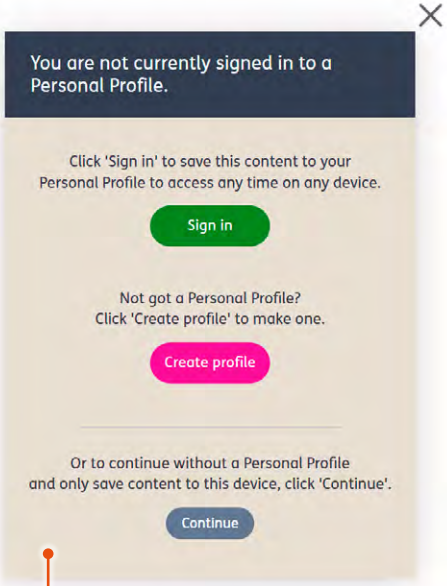
Selecting a Favorite or a folder will reveal its Edit and Delete buttons.

Edit

Allows you to rename a selected Favorite or folder or to specify a different folder location.

Delete

Deletes your selected Favorite or folder from the Favorites panel.



Personal Profile

If you are not signed in to your Personal Profile, you will see this dialog box.

- When you are signed in to your Personal Profile your Favorites are saved to your cloud, enabling you to access them on any device.
- If you choose to continue without signing in to your Personal Profile, your Favorites are saved to the browser. Note that if you subsequently clear your browser's cookies, they will be deleted.

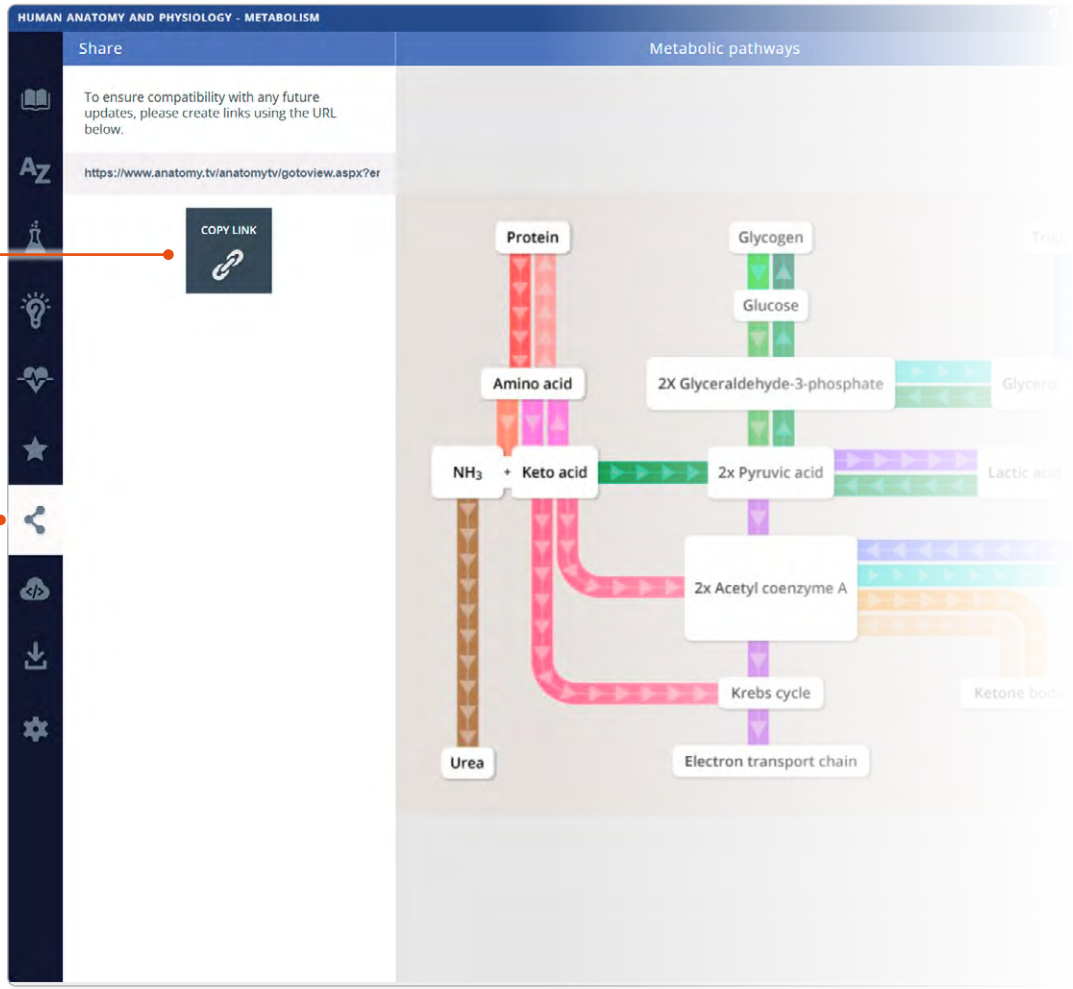
Other features
Share panel

Share content with other Anatomy.tv subscribers using the **Share** panel.

1

You can direct other users to specific content using the **Copy link** button.

SHARE TAB



2

You can then share this web address with anyone who has an active subscription to 3D Human Anatomy and Physiology – and provided they are logged in, they can click on the link and access the exact piece of content you want to share with them.

You can also use this web address to provide a direct link to content from within lesson plans, course material, or simply embed into course information directly within a Learning Management System.

- Lesson plans
- Course material
- Email
- LMS platforms
- Presentations

Other features
Embed panel

Use the **Embed** panel to embed interactive 3D views and other content into your website, VLE or LMS.

Setup

Please note the instructions regarding initial setup.

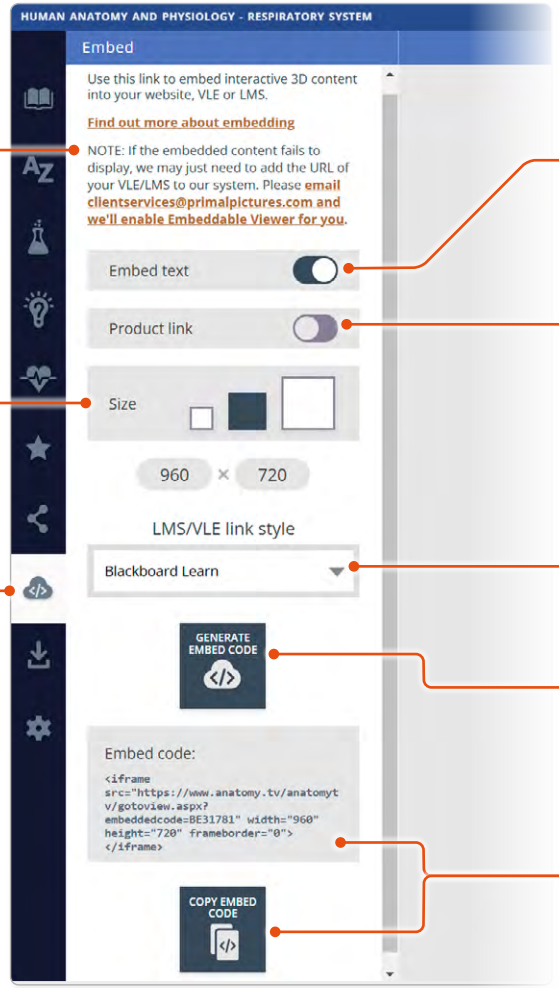
Size

There are three embed sizes to choose from: **Small**, **Medium** and **Large**.

You can also change the size of the embedded view manually by altering the code itself.

For example:

<iframe src="http://stage.anatomy.tv/gotoview.aspx?embeddedcode=C5E6E5" width="**960**" height="**720**" frameborder="0"></iframe>



EMBED TAB

Embed text

Select this option if you would like to include structure text with your embedded view. The text will sit alongside the image and update as the user selects different structures, just as it does in the product.

Product link

Selecting the product link option will add a small button to the top of the embedded view. Selecting this button will launch the full version of the product at the same image you have embedded.

Link style

Select the style of link from the drop-down list according to where you will be embedding your view

Generate embed code

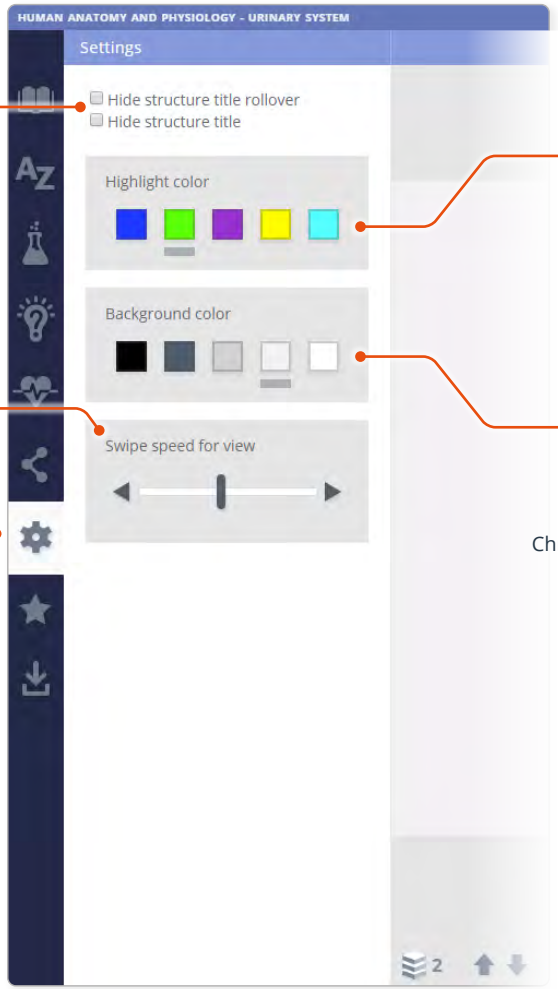
Once you are happy with the view you have selected, click the generate code button.

Copy embed code

Either select the code from the box above and copy, or use the copy code button.

Other features
Settings panel

The **Settings** panel has a number of controls which allow you to adjust how you view the 3D model.



Hiding titles

Useful for self-testing, these check-boxes allow you to hide the View panel rollover labels or the titles above the View panel and Text panel.

Swipe speed

Adjust how quickly you move through the frame sequence while swiping.

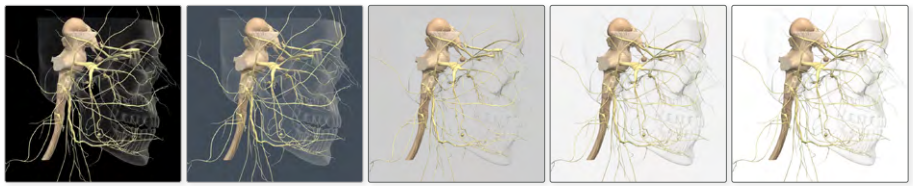
SETTINGS TAB

Highlight color

You can choose a different highlight color to make your selection more visible. The highlight color will also change in selectable Slides.

Background color

The background color can also be adjusted to make structures more visible. (Currently only available in Chrome browser on desktop.)



Other features
Save panel

The **Save** panel allows you download images, movies and text articles – you can then add them to presentations, lecture notes, and Learning Management Systems.

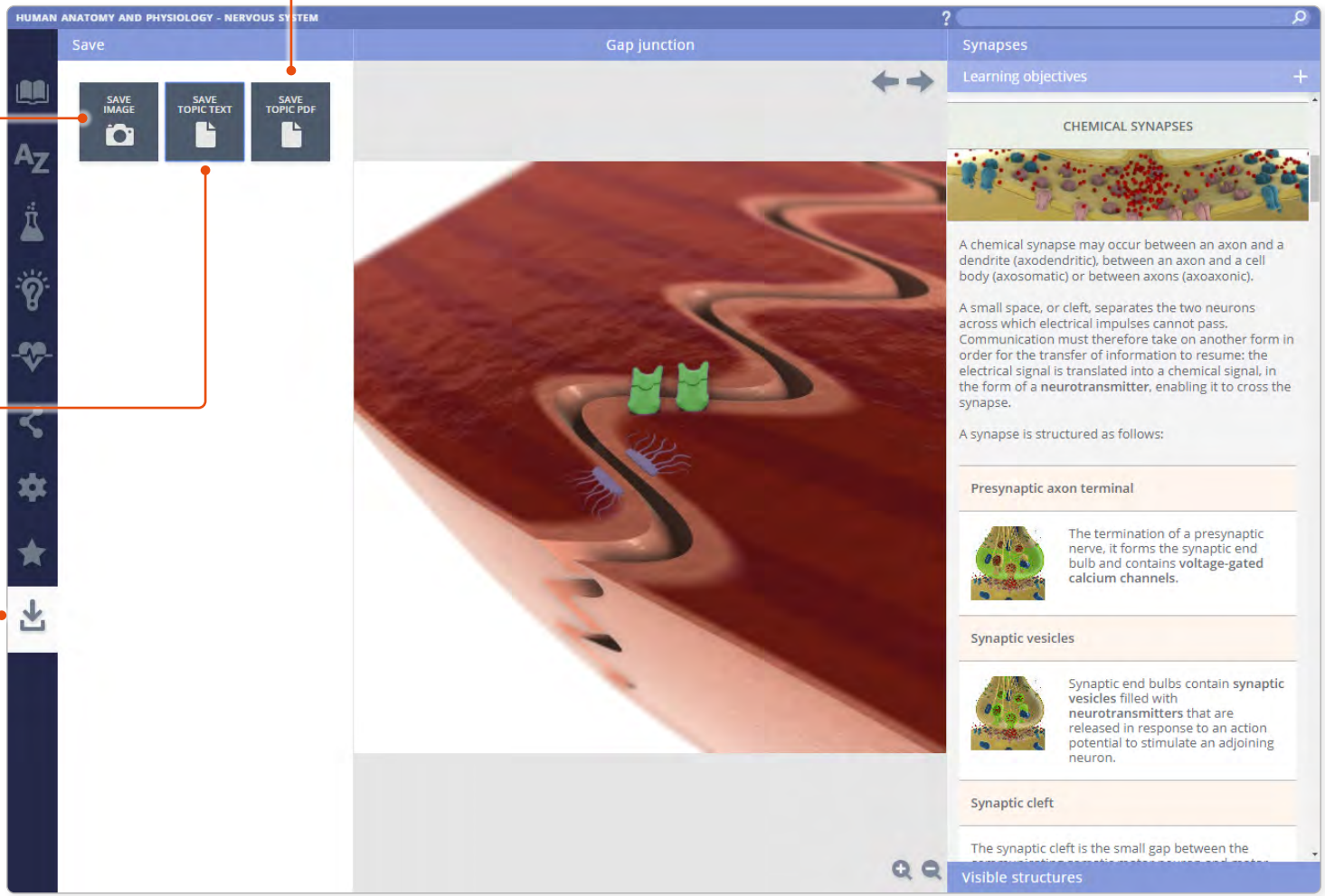
Save topic PDF
Saves the current Topic text as a PDF, complete with images.

Save image

Clicking this button will save the current 3D sequence frame or Slide, according to which type of content is currently shown in the View panel.

If you are currently viewing a Movie, the **Save Movie** button will be shown instead.

Save topic text

Saves the current Topic text in plain text format.

SAVE TAB