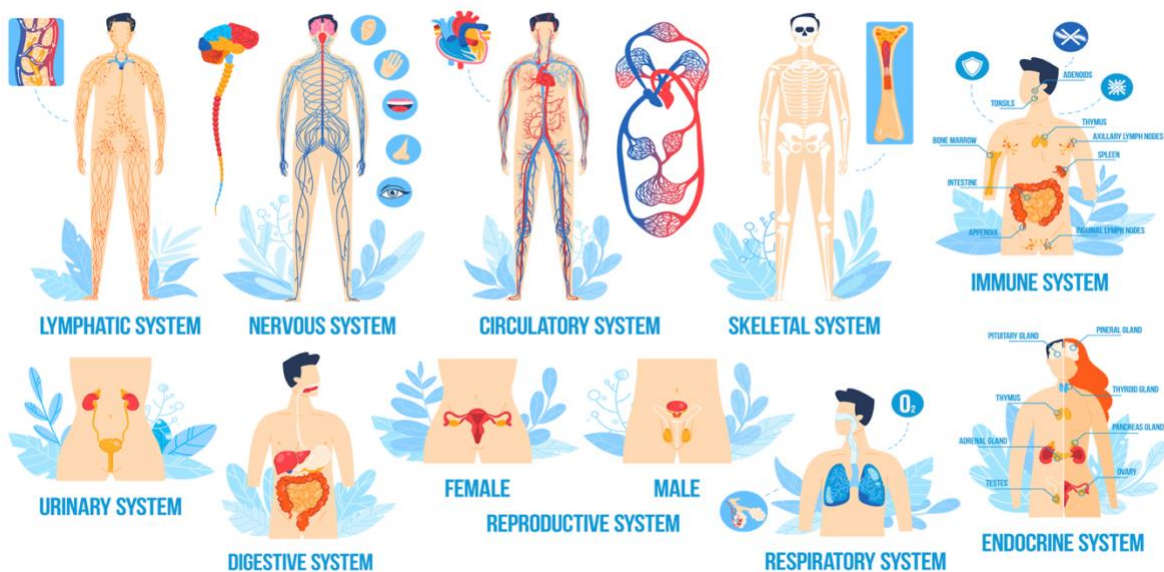


AE Academic **English** **UK**

Systems of the Human Body



6. Muscular System

EXAMPLE

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Teacher's Notes

Lesson aim:

To review/to teach one of the eleven body systems through a range of activities.

Timing:

60 minutes+

Who is this for?

This lesson has been designed as either a range of reviewing/recycling tasks for those that already have some medical knowledge or as a range of activities for those beginning their medical studies.

Level	Medical Knowledge Level	Lesson Ideas	Lesson Timing
All	None	<ol style="list-style-type: none"> 1. Pre-teach the vocabulary before each body system. 2. Drill pronunciation after each body system. 3. Test each body system at the end of each lesson using the test questions at the back of this booklet. Select the questions that are relevant to the body system you wish to test. 	<p>40 mins for the introduction. 50-60 mins per system.</p>
All	Some	<ol style="list-style-type: none"> 1. Students can work through each task in small groups or pairs if the teacher does not know how much medical knowledge the students have. 2. Drill pronunciation of key medical terms after each body system. 	<p>30 mins for the introduction. 40-50 mins per system.</p>
All	Studied topic previously	<p>Use as a reviewing/recycling task. Run as a workshop where students are working at their own pace with the teacher feeding in the sample answers when required.</p>	<p>20 mins for the introduction. 20 -30 mins per system.</p>

Differentiation: Extension ideas

1. Gap fill exercises – remove each table of 'given' words.
2. Text boxes – find collocations.
3. Sample paragraph answers – paraphrase or summarise content.
4. Sample paragraph answers – extend the paragraph by researching the organ/system and adding to what has been given.
5. Write a paragraph of other organs or glands in that system.
6. Draw a diagram of an organ and label it.
7. Research an organ and present it to the class.

6. The Muscular System EXAMPLE

6.1. Complete the definition of the muscular system using the words and phrases in the box. Compare with a partner when you have finished.

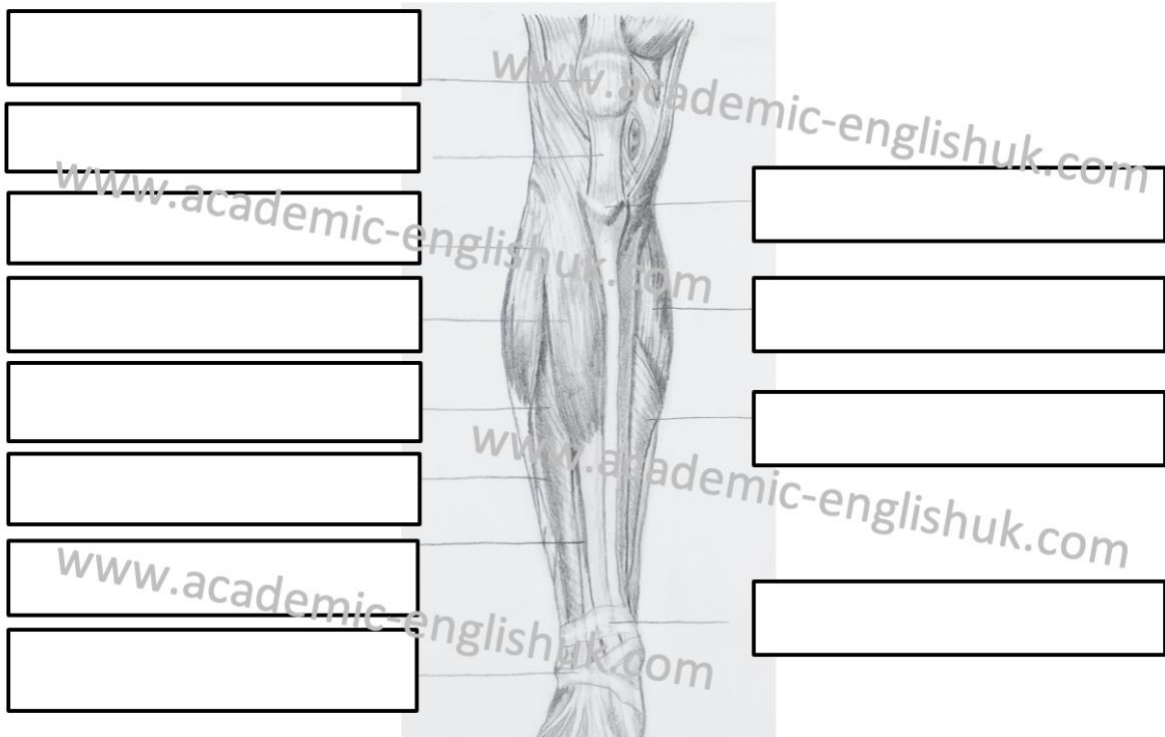
_____	autonomous nervous system (ANS)	_____	tendons	_____
myocardium	_____	circulation	_____	mobility

The muscular system comprises of different _____ play an important role in the _____ body including _____ stability, posture and _____. There are three types of muscles: _____ that _____ by _____ and _____; _____ that are found in the walls _____ and glands and are _____ and cardiac muscle, also called the _____ the middle layer of the _____

6.2. Read the paragraph aloud to your partner who will check your pronunciation. Your partner will then read it aloud to you so you can check their pronunciation.

6.3. Label the following diagram of a leg using the words from the table. Compare with a partner when you have finished.

inferior extensor retinaculum	_____	_____	_____
_____	tibialis anterior	_____	tibialis tuberosity
patella	_____	patellar ligament	_____



6.4. Practice saying the words aloud with a partner.

6.5. Select _____ You could consider _____ and location of the muscle.

i.	
ii.	

6.6. Explain the structure of the three types of muscle using the information in the box.

Muscle tissue

Skeletal

Cells (muscle fibres) = very _____, striated, multi-_____.

Arranged in bundles called _____ surrounded by _____ tissue.

Smooth

Cells (myocytes) = _____ shaped, non-_____ uni-nucleated.

Cells stick _____ connected by gap _____ junctions). _____ sheets.

Cardiac

Cells (cardiomyocytes) = _____ uni-nucleated. _____ intercalated discs.

Many mitochondria = energy _____.

Write your answer here, and then compare with a partner. Do you have the same ideas?

Skeletal

Cardiac

6.7. **Research task:** select one aspect of _____ in. Spend 15 minutes finding out what you can about it and present this information in small groups.

6. The Muscular System ANSWERS

6.1. Complete the definition of the muscular system using the words and phrases in the box.

The muscular system comprises of different muscle types that play an important role in the function of the human body including *mobility*, stability, posture

ALL ANSWERS ARE INCLUDED IN PAID VERSION...