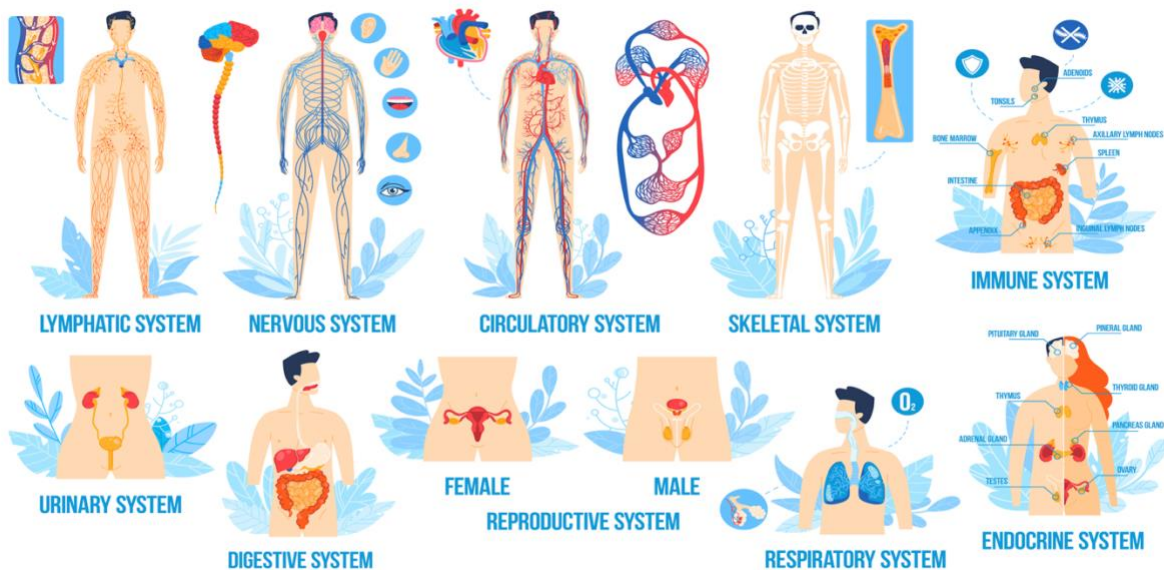


AE Academic English UK

Systems of the Human Body



4. Integumentary 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.

4. The Integumentary System EXAMPLE

4.1. Complete the definition of the integumentary system _____ in the box.

homeostasis	_____	pain	_____	_____
_____	outer	_____	glands	ultraviolet radiation

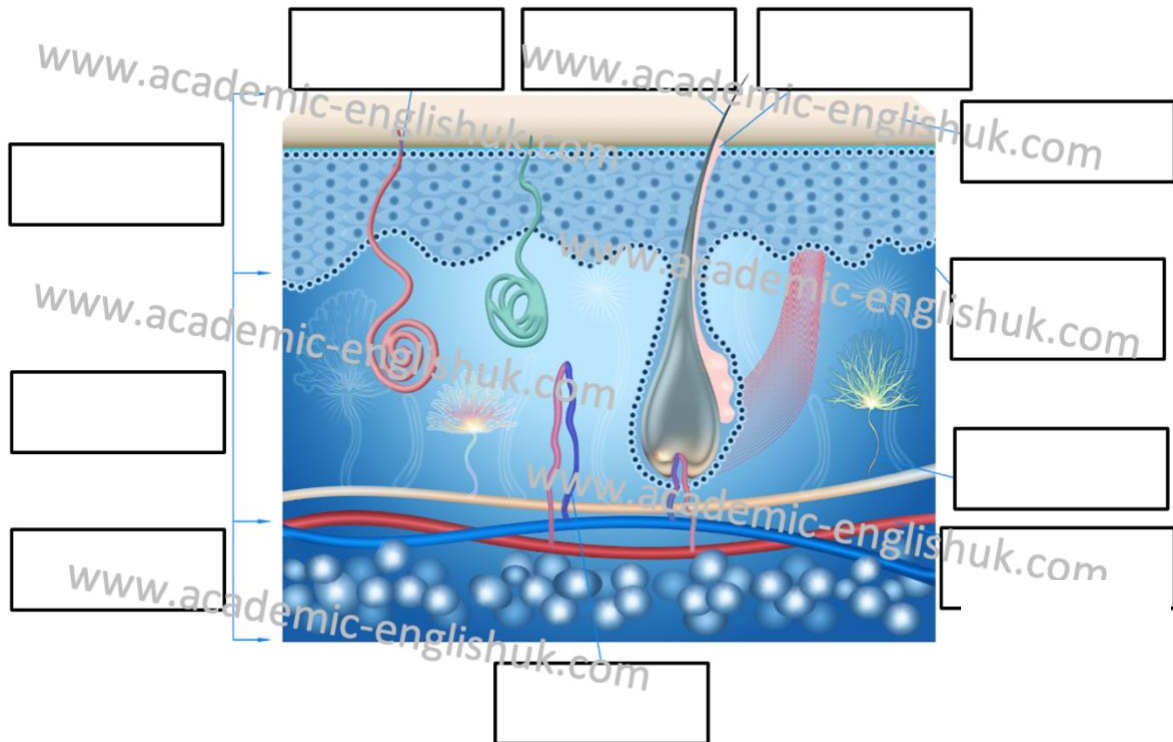
The integumentary system is the _____ layer of the _____ the _____ the _____ include _____ hair follicles and _____. The main functions of the skin _____, _____, _____, to synthesise vitamin D through _____ to detect sensations such as _____ or _____, and to _____.

4.2. 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.

4.3. Summarise _____ concise sentence, and then compare with a partner.

4.4. Label the diagram of the structure of the skin using the words from the table. Compare with a partner when you have finished.

blood vessels	_____	dermis	_____	oil	hair
_____	epidermis	_____	capillaries	_____	_____



4.5. Ask your partner to check your pronunciation of the key terms.

4.6. Read the paragraph [redacted] the true/false questions. Correct the false sentences and then compare with a partner.

The skin consists of three layers: epidermis, dermis and hypodermis. The [redacted] three [redacted], melanocytes and langerhans cells. Found in the outermost layer of the skin and making up to 90% of all [redacted] role in [redacted] barrier that prevents foreign substances from entering the body. Found in the innermost layer of [redacted] to protect [redacted] of the sun by producing a pigment called melanin. Present in all layers of the epidermis are the [redacted] an important role [redacted] viruses and bacteria. The dermis is the middle layer and consists of lymph and blood vessels, hair follicles, [redacted], collagen bundles, [redacted] [redacted] known as the subcutaneous fascia, is the deepest layer of the skin and consists of a network of collagen and [redacted] organs [redacted] support for the skin.

	Sentence	True	False
i.	Keratinocytes are found in the dermis.		
ii.	Melanocytes can help [redacted].		
iii.	Langerhans cells produce a pigment called [redacted]		
iv.	Some cells [redacted] from microbes.		
v.	Collagen is found in different locations in the skin.		
vi.	The dermis is also [redacted]		
vii.	There is a connection between [redacted] organs.		

4.7. 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.

4.8. Put the words from [redacted] to their word stress. The first one has been done for you.

epidermis	dermis	[redacted]	[redacted]	melanocytes	[redacted]
[redacted]	[redacted]	sebaceous glands	collagen	[redacted]	fascia

Oo	Ooo	oOoo	ooOo	ooOoo	ooOoo Ooo
Dermis					

4.9. Practice saying the words aloud with your partner so that you can check each other's pronunciation.

4.10. **Research task:** select one aspect of the [redacted] in. Spend 15 minutes finding out what you can about it and present this information in small groups.

4. The Integumentary System ANSWERS

4.1. Complete the definition of the Integumentary system using the words and phrases in the box.

The integumentary system is the outer layer of the human body and comprises of the skin and its appendages which include nails, hair follicles and glands. The main functions of the skin are to protect against ...

ALL ANSWERS INCLUDED IN PAID VERSION...