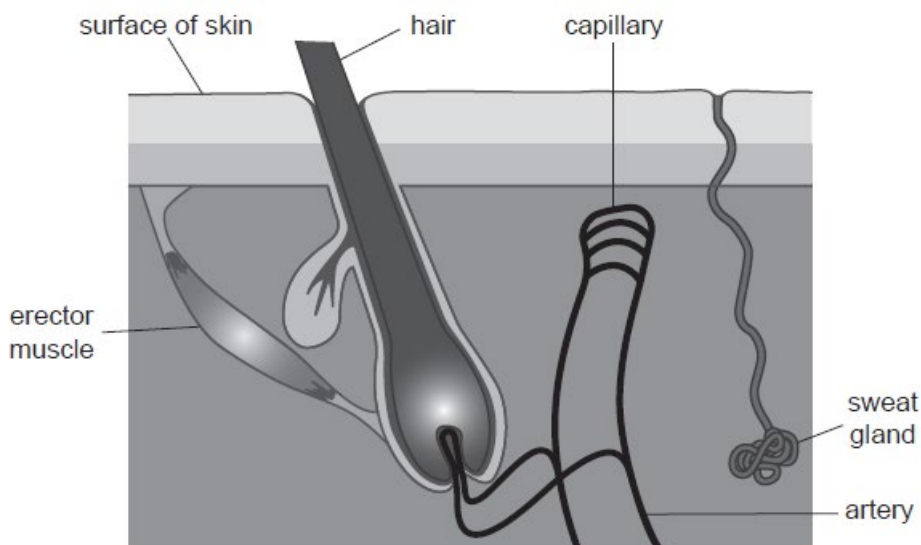


GCSE Biology B (Twenty First Century Science)
J257/02 Depth in Biology (Foundation)

Question Set 6

1 The skin helps the human body to control its temperature.

Look at the diagram of structures in the skin.



(a) Complete the table to describe how structures **in the skin** help to cool you down when you are too hot.

Structure	What the structure does	Appearance of skin
		Sweaty
	Relaxes	Hairs lying flat
	Gets wider (vasodilates)	Flushed red

[4]

(b) (i) James is feeling cold.

The hairs on his skin are standing on end.

Explain how this helps to warm him up.

[2]

(ii) James starts to shiver.

Shivering happens because muscles are contracting rapidly.

Explain how this helps to warm him up.

[2]

Total Marks for Question Set 6: 8

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