1 The picture below shows a sauna. A sauna is a room where the temperature is raised to levels well above normal room temperature.



Picture 1, A sauna

	A man sits in a sauna and after a few minutes his body temperature begins to	rise.
1 (a) (i)	The brain has a role in detecting a rise in the body temperature. Which part of detects a rise in body temperature?	the brain
		(1 mark)
1 (a) (ii)	How does this part of the brain detect a rise in body temperature?	
		(2 marks)
1 (b)	One response to higher temperatures is the skin becoming red. Explain why the may appear red when the body temperature rises.	,
		(2 marks)
1 (b) (i)	The man leaves the sauna and jumps into a cold swimming pool. He begins to	shiver.
	Explain why he shivers.	
		(2 marks)
1 (b) (ii)	Alcohol dilates blood vessels in the skin. Suggest why it is dangerous to drink between going from sauna to swimming pool.	alcohol
		(2 marks)
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