BIOLOGY REVISION: HOMEOSTASIS

1. How does sweating cool the body?
   - **A** Sweating cause vasodilation
   - **B** Sweating decreases the water content of the blood
   - **C** Urea and salt are lost from the body in sweat
   - **D** Water in sweat evaporates from the skin

2. Read the following sentence:

   "In order to prevent the human body from losing heat, the arterioles supplying the skin becomes narrow"

   Which process does this sentence describe?
   - **A** Constriction
   - **B** Shivering
   - **C** Sweating
   - **D** Vasodilation

3. During a long race, an athlete's skin temperature rises. What causes this?
   - **A** Increased sweating
   - **B** Opening of the pores in the skin
   - **C** Vasoconstriction of the blood vessels in the skin
   - **D** Vasodilation of the blood vessels in the skin

4. What is an example of homeostasis?
   - **A** Breathing in oxygen
   - **B** Regulating blood glucose
   - **C** Removing undigested food through the anus
   - **D** Regulating body temperature

5. Which response to a drop in body temperature does not involve muscle contraction?
   - **A** Blood vessels narrowing
   - **B** Hairs standing up
   - **C** Shivering
   - **D** Reduced sweating

6. Using touch, you can identify something is sweet and or salty.

   (True or False)? _____

7. Match the following answers given:

Hairs	Pores	Touch receptors	Nerve