

- 7** Uncooked potato cylinders of identical size were placed in four different liquids for two hours.

The different liquids are listed.

- 1 pure water
- 2 a sugar solution that was less concentrated than the contents of the potato cells
- 3 a sugar solution that was more concentrated than the contents of the potato cells
- 4 a sugar solution that was the same concentration as the contents of the potato cells

In which liquids will the potato cylinders increase in length?

- A** 1 and 2 **B** 1 and 3 **C** 2 and 4 **D** 3 and 4

- 3** What happens when plant cells are placed in a sugar solution that has a lower water potential than the cytoplasm of the cells?

- A** The cells gain water and become flaccid.
B The cells gain water and become turgid.
C The cells lose water and become flaccid.
D The cells lose water and become turgid.

- 7** A potato was removed from a potato plant. A 5 g cube of potato was cut and put into a beaker of distilled water.

What is the most likely mass of the cube of potato after two hours?

- A** 2 g **B** 4 g **C** 5 g **D** 7 g