

**5** Which statement about a scalar or a vector quantity is correct?

- A** Speed is a vector quantity because it has both magnitude and direction.
- B** Temperature is a scalar quantity because it has magnitude but not direction.
- C** Time is a scalar quantity because it has both magnitude and direction.
- D** Weight is a vector quantity because it has magnitude but not direction.

**6** A skydiver jumps from a balloon and falls freely under gravity until reaching terminal velocity. A