

- 16** A sledge of mass 50 kg sits on a snowy surface. It is pulled horizontally for 10 m against a frictional force of 200 N, then it is pulled horizontally across ice for 10 m. There is no friction between the ice and the sledge. It is lifted up vertically by 1 m and finally carried back at a constant speed to where it started.

During which stage of its journey is most work done on the sledge?

- A** being carried back 20 m at constant speed
- B** being lifted up 1 m
- C** being pulled 10 m across ice
- D** being pulled 10 m across snow