

- 11** A steel ball is falling at a constant (terminal) speed in still air. The forces acting on the ball are upthrust, viscous drag and weight.

What is the order of increasing magnitude of these three forces?

- A** upthrust  $\rightarrow$  viscous drag  $\rightarrow$  weight
- B** viscous drag  $\rightarrow$  upthrust  $\rightarrow$  weight
- C** viscous drag  $\rightarrow$  weight  $\rightarrow$  upthrust
- D** weight  $\rightarrow$  upthrust  $\rightarrow$  viscous drag