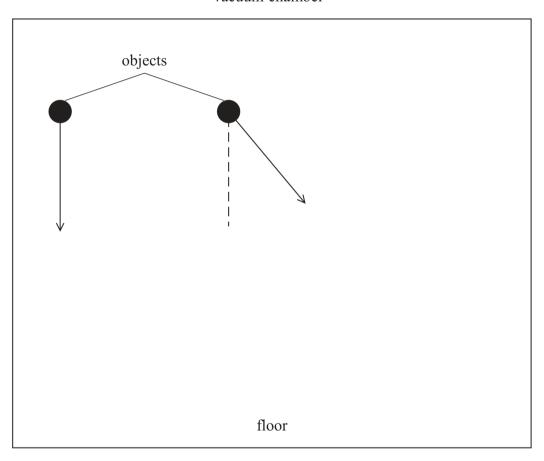
7 Two objects with the same initial speed fall from the same height in a vacuum chamber, as shown. The arrows in the diagram show initial directions of travel of the objects.

vacuum chamber



Which of the following quantities are **not** the same for both objects?

- A The accelerations of the objects during the fall.
- **B** The velocities of the objects as they reach the floor.
- C The increase in the speeds of the objects during the fall.
- **D** The kinetic energies of the objects as they reach the floor.