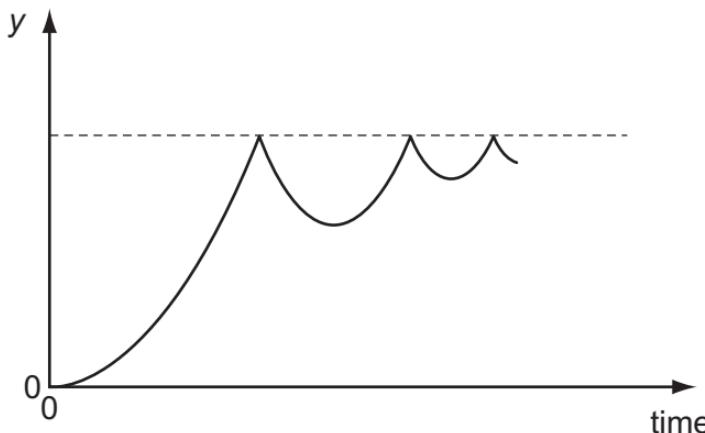


- 8** A ball is released from rest above a horizontal surface and bounces several times.

The graph shows how, for this ball, a quantity  $y$  varies with time.



What is the quantity  $y$ ?

- A** acceleration
- B** displacement
- C** kinetic energy
- D** velocity

- 9** A strong wind of speed  $32 \text{ m s}^{-1}$  blows against a wall. The density of the air is  $1.2 \text{ kg m}^{-3}$ . The wall