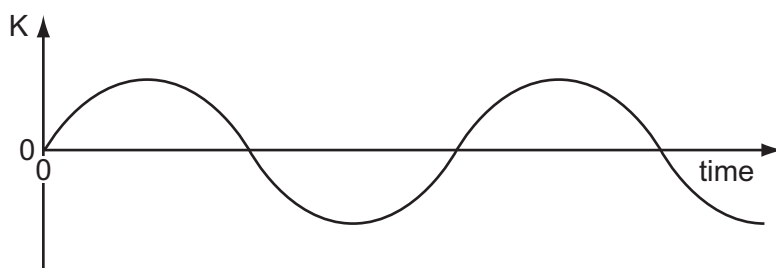


- 7 The symbol  $g$  represents the acceleration of free fall.

Which of these statements is correct?

- A  $g$  is gravity.
  - B  $g$  is reduced by air resistance.
  - C  $g$  is the ratio weight/mass.
  - D  $g$  is the weight of an object.
- 8 A particle moves along a straight line. A particular property  $K$  of the particle's motion is plotted against time.



At any time, the slope of the graph is the acceleration of the particle.

What is the property  $K$ ?

- A the displacement of the particle
- B the distance travelled by the particle
- C the speed of the particle
- D the velocity of the particle