

- 16** A mass attached to the lower end of a spring bounces up and down.

At which points in the path of the mass do the gravitational potential energy of the mass (GPE), the elastic potential energy in the spring (EPE) and the kinetic energy of the mass (KE) have their highest values?

	GPE	EPE	KE
<b>A</b>	bottom	middle	top
<b>B</b>	bottom	top	middle
<b>C</b>	top	bottom	middle
<b>D</b>	top	bottom	top

- 17** A ball of mass  $1.00\text{ kg}$  is suspended from a fixed point by a cord  $1.00\text{ m}$  long. The ball is pulled to the side until the cord makes an angle of  $60^\circ$  to the vertical and is then released from rest.