1 Newton's third law refers to two forces acting in a pair.

These forces

☒ **A** act in the same direction.

☒ **B** act on different objects.

☒ **C** are different types of force.

☒ **D** have different magnitudes.

(Total for Question = 1 mark)

2 During an earthquake, steel-framed buildings absorb energy because steel is

☒ **A** ductile.

☒ **B** elastic.

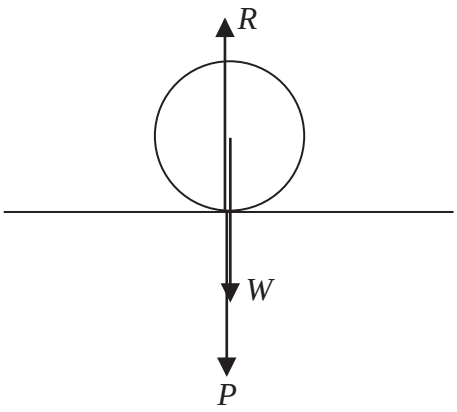
☒ **C** stiff.

☒ **D** strong.

(Total for Question = 1 mark)

3 An apple is at rest on the ground.

The diagram shows three forces of equal magnitude.



W = weight of apple

P = push of apple on ground

R = normal contact force of ground on apple

Which row in the table shows Newton's first and third laws being applied correctly.

	Newton's first law	**Newton's third law**
☒ **A**	$P = W$	$R = P$
☒ **B**	$R = P$	$W = R$
☒ **C**	$W = R$	$P = W$
☒ **D**	$W = R$	$R = P$

(Total for Question = 1 mark)