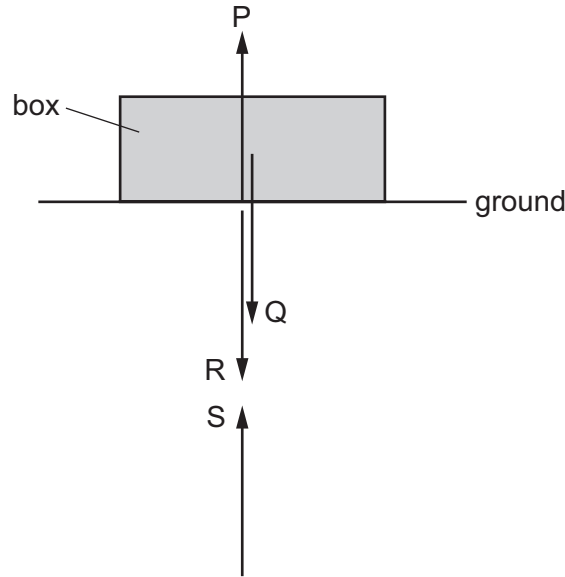


- 12** A box is shown resting on the ground. Newton's third law implies that four forces of equal magnitude are involved. These forces are labelled P, Q, R and S.

Forces P and Q act on the box. Forces R and S act on the Earth.

For clarity, the forces are shown slightly separated.



Which statement about the forces is correct?

- A** P is the equal and opposite force to Q and both are forces of contact.
- B** Q is the equal and opposite force to P and both are gravitational forces.
- C** R is the equal and opposite force to S and both are forces of contact.
- D** S is the equal and opposite force to Q and both are gravitational forces.