

P1.2 Pre-Test

1. Which is the best definition of a force? [1] Tick (✓) **one** box.

(a) A push or pull (b) A push, pull or twist that can change the shape, speed or direction of an object
(c) A pull that keeps objects on the ground

2. Which is the best definition of a non-contact force? [1] Tick (✓) **one** box.

(a) A force that can act over a distance (b) A force that acts when objects are in direct contact with each other
(c) A force that causes objects to repel each other

3. Which of these is a non-contact force? [1]

Tick (✓) **one** box.

(a) Friction (b) Magnetism (c) Tension

4. What is the definition of resultant force? [1]

Tick (✓) **one** box.

(a) Forces acting in opposite directions that cancel each other out
(b) The net force acting on an object (c) The biggest force acting on an object

5. What can be said about the forces acting on an object if the resultant force is 0 N? [1] Tick (✓) **one** box.

(a) The forces are unbalanced (b) The forces are balanced

(c) There must be no forces acting

6. Which of these motions could **not** be used to describe an object which had a resultant force of 0 N acting on it? [1] Tick () **one** box.

(a) It would be speeding up

(b) It would be stationary

(c) It would be moving at a constant speed

7. Which statement is **incorrect**? [1] Tick () **one** box.

(a) Gravity is a non-contact force

(b) Gravity is the force that

attracts objects to the Earth
Moon is greater than gravity on the

(c) Gravity on the

Earth

8. Which of these is the largest? [1] Tick () **one** box.

(a) The Earth

(b) The Sun

(c) The Moon

9. Approximately how long does it take the Earth to complete one full orbit around the sun? [1] Tick () **one** box.

(a) One day

(b) One year

(c) One season

10. Which of these planets is further from the Sun than Earth? [1] Tick () **one** box.

(a) Venus

(b) Mercury

(c) Mars