

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 ☐
Earth

(c) Gravity on the Moon is greater than gravity on the ☐

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  