

P1.1 Pre-Unit Quiz: Forces

1. Which of the following is not a possible effect of forces? [1] Tick (✓) **one** box.

- (a) Changing shape (b) Changing colour (c) Changing speed

2. Which of the following is not an example of a force? [1] Tick (✓) **one** box.

- (a) Friction (b) Magnetism (c) Speed

3. Which of these is always an example of a pushing force? [1] Tick (✓) **one** box.

- (a) Gravity (b) Friction (c) Magnetism

4. Which is the best description of gravity? [1] Tick (✓) **one** box.

- (a) A force which pulls objects towards the Earth (b) A force that increases in strength as you get further from the Earth (c) A force that does not act on the Moon

5. Which surface would cause the most friction? [1] Tick (□) **one** box.

- (a) Ice (b) Carpet (c) Glass

6. What are the correct names for the ends of a bar magnet? [1] Tick (□) **one** box.

- (a) Red and blue (b) Positive and negative (c) North pole and south pole

7. Which correctly describes a rule about two magnets? [1] Tick () **one** box.

- (a) Like poles attract (b) Opposite poles attract (c) Opposite poles repel

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

- (a) Iron (b) Copper (c) Gold

9. Which of these statements is correct? [1]

Tick () **one** box.

- (a) For a force to move something objects must be touching (b) Only living things can apply a force to make something move (c) When something is moving there might not be any forces acting on it

10. Which best explains why some objects float?

[1]

Tick () **one** box.

- (a) They are lighter than water (b) They are less dense than water (c) They are more dense than water

Total = ___ /10