Name _____ Date _____

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 ☐

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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

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