

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Forces Test

1. Circle **True** or **False**:

- |  |   |   |
|--|---|---|
| a) A force can make something move.                        | T | F |
| b) Gravity pushes you down to the earth.                   | T | F |
| c) Gravity causes all things to fall at the same speed.    | T | F |
| d) Muscular force causes the same movement in all objects. | T | F |
| e) Both air and water can give a buoyant force.            | T | F |
| f) Two north poles together make a pulling force.          | T | F |
| g) Two positive charges together make a pulling force.     | T | F |
| h) Forces only act when things are touching.               | T | F |

2. Identify the force being described.

- a) The force that pulls objects towards the earth:

\_\_\_\_\_

- b) The push or pull that happens with charged objects:

\_\_\_\_\_

- c) The push or pull that happens when poles are aligned:

\_\_\_\_\_

- d) The force caused by two objects rubbing together:

\_\_\_\_\_

- e) The force that pushes objects upwards:

\_\_\_\_\_

- f) The push or pull that happens when a human uses energy:

\_\_\_\_\_

3. Choose two forces and explain how these forces are used in daily life.

---

---

---

---

---

4. If a ball is rolling down the hall and you apply a force, what three things can that force change?

---

---

---

5. Magnets can both push and pull. These push and pull forces have special names:

a) What is the scientific word for the pulling force of magnets?

---

g) What is the scientific word for the pushing force of magnets?

---

6. Look at the picture to the right. Both the boy and the girl are pulling on a rope, but neither the boy nor the girl are moving. Who is pulling with a stronger force? Please explain your answer.



---

---

---

---

---



# Forces



Balanced

Buoyancy

Contact

Direction

Energy

Force

Friction

Gravity

Magnetism

Movement

Muscular

Pull

Push

Rough

Smooth

Speed

Static Electric

Unbalanced