

**Content Practice A****LESSON 1****Gravity and Friction**

**Directions:** On the line before each definition, write the letter of the term that matches it correctly. Each term is used only once.

- |   |                            |
|---|----------------------------|
| _____ 1. a push or a pull on an object                        | <b>A.</b> noncontact force |
| _____ 2. push or pull on one object by another object         | <b>B.</b> friction         |
| _____ 3. applied without touching                             | <b>C.</b> electric force   |
| _____ 4. makes hair stand on end                              | <b>D.</b> gravity          |
| _____ 5. keeps you from floating away                         | <b>E.</b> lubricant        |
| _____ 6. makes a compass needle point north                   | <b>F.</b> force            |
| _____ 7. unit of mass   | <b>G.</b> newton           |
| _____ 8. unit of force or weight                              | <b>H.</b> contact force    |
| _____ 9. resists the motion of two surfaces that are touching | <b>I.</b> magnetic force   |
| _____ 10. reduces friction                                    | <b>J.</b> kilogram         |

**Content Practice B**

**LESSON 1**

**Gravity and Friction**

**Directions:** Answer each question or respond to each statement on the lines provided.

1. **Define** the terms below.

a. force \_\_\_\_\_

b. contact force \_\_\_\_\_

c. noncontact force \_\_\_\_\_

2. What are three noncontact forces?

\_\_\_\_\_

3. What are the units for mass and weight?

\_\_\_\_\_

4. What is the difference between mass and weight?

\_\_\_\_\_

\_\_\_\_\_

5. **Explain** how the gravitational force between two objects is affected by their mass and the distance between them.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6. What is friction?

\_\_\_\_\_

7. What are the three kinds of friction discussed in the lesson?

\_\_\_\_\_

\_\_\_\_\_