



# Cavite School of Life

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## GRADE SCHOOL DEPARTMENT FOURTH QUARTER SCIENCE 6 QUIZ 2

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

Score: \_\_\_\_\_

Grade/Section: \_\_\_\_\_

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

Parent's signature: \_\_\_\_\_

Teacher: Ms. Elaine Manuacal

### I. Identification.

**DIRECTIONS:** Determine what is being discussed/described in each number. Write your answer on the space provided.

|                |                 |                     |                  |
|----------------|-----------------|---------------------|------------------|
| mass           | weight          | friction            | air friction     |
| fluid friction | static friction | rolling friction    | acceleration     |
| Isaac newton   | Galileo Galilei | gravitational force | sliding friction |

- \_\_\_\_\_ 1. This is an increase in the rate of speed of the object.
- \_\_\_\_\_ 2. This determines the amount of a material in an object.
- \_\_\_\_\_ 3. This type of friction occurs when the solid objects are at rest.
- \_\_\_\_\_ 4. This type of friction involves coming in contact with liquid or air.
- \_\_\_\_\_ 5. This is a force of attraction between all objects in the universe that have mass.
- \_\_\_\_\_ 6. This is the measure of the gravitational pull exerted by the Earth on the object.
- \_\_\_\_\_ 7. This affects the motion of falling objects by acting against the force of gravity.
- \_\_\_\_\_ 8. This is a type of friction that happens when two solid surfaces slide over each other.
- \_\_\_\_\_ 9. This is a force that opposes motion between two surfaces in contact with one another.
- \_\_\_\_\_ 10. He discovered the force of gravity while observing an apple, and the unit of force was named after him.

### II. Modified True or False.

**DIRECTION:** Indicate whether the statement is true or false. Write True if the statement is correct, and False if it is not. Write your answer on the space provided.

- \_\_\_\_\_ 1. Friction makes object difficult to move at a constant speed.
- \_\_\_\_\_ 2. Wiping off the floor when it is wet decreases the friction.
- \_\_\_\_\_ 3. There is more friction produced when the surface is smooth.
- \_\_\_\_\_ 4. Applying lubricant to surfaces aids in reducing the friction.
- \_\_\_\_\_ 5. The greater the mass of the object, the more force is required to accelerate.
- \_\_\_\_\_ 6. On the moon, the acceleration due to gravity is about  $\frac{1}{6}$  of that on the Earth.
- \_\_\_\_\_ 7. Force and motion are always related. Without force, movement is also not possible.
- \_\_\_\_\_ 8. The heavier the object, the more pressure will be created as it slides along a surface.
- \_\_\_\_\_ 9. Using wheels or bearings reduce friction by converting sliding friction into rolling friction.
- \_\_\_\_\_ 10. Friction depends on the shape, texture, weight, and speed of the objects rubbing against each other.

### III. Classification.

**DIRECTIONS:** Analyze the following examples, and identify the types of friction and force involved in it. Write the letter of your answer on the space provided.

#### TYPES OF FRICTION

**A. Static Friction**  
**B. Rolling Friction**

**C. Fluid Friction**  
**D. Sliding Friction**

- \_\_\_\_\_ 1. The books on the shelf
- \_\_\_\_\_ 2. a kid swimming in the pool
- \_\_\_\_\_ 3. the wheels of a moving vehicle
- \_\_\_\_\_ 4. stepping or pressing on the bike's brake
- \_\_\_\_\_ 5. the shoes and the road as you put down the shoe as you step

#### TYPES OF FORCE

**A. Balanced Forces**

**B. Unbalanced Forces**

- \_\_\_\_\_ 1. leftover food on the dining table
- \_\_\_\_\_ 2. standing on a train station platform
- \_\_\_\_\_ 3. riding a bicycle on a northbound road
- \_\_\_\_\_ 4. pushing a grocery cart across a smooth floor
- \_\_\_\_\_ 5. accidentally passing a basketball to the opponent

*"Whoever can be trusted with very little can also be trusted with much,  
and whoever is dishonest with very little will also be dishonest with much."  
-Luke 16:10*