Cavite School of Life

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Academic Year 2023 – 2024

GRADE SCHOOL DEPARTMENT
FOURTH QUARTER
SCIENCE 6
QUIZ 2

Name: _____ **Score:** _____
Grade/Section: _____ **Date:** _____
Parent's signature: _____ **Teacher: Ms. Elaine Manucal**

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 <u>True</u> if the statement is correct, and <u>False</u> 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.

LIVEWORKSHEETS

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 **C. Fluid Friction**
B. Rolling 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

LIVEWORKSHEETS