The physics of motion is all about forces

What is the definition for:

Motion

Friction

Velocity

Physics

Thermodynamics

What does Velocity equal?

Velocity is a \_\_\_\_\_\_\_

Instantaneous velocity measures one moment in what?

Another word for the term instantaneous is what?

Acceleration is also a \_\_\_\_\_\_

Momentum is equal to mass multiplied by the \_\_\_\_\_\_\_

Friction can only happen with what kind of objects?

Work transfers \_\_\_\_\_\_ from one object to another

Gravity pulls objects towards the center of the \_\_\_\_\_\_\_

If you have a high coefficient of friction you have lots, or less friction

There are thermometers to measure your body temperature, the temperature in your oven, and even the temperature of liquid \_\_\_\_\_\_

What kind of degrees are larger than Farenheit

Kelvin is used mostly in what?

Water freezes at \_\_ degrees

\_\_\_\_\_\_ is the classic English system of measuring temperatures

Heat is also created because of \_\_\_\_\_\_\_\_

What is the way to make heat by rubbing two objects together?

Getting Hotter = Getting \_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_ is a situation where the heat source and heat sink are connected by matter

The what law?

The first type of thermodynamic system

The second type of thermodynamic system

The third type of thermodynamic system

The fourth type of thermodynamic system

Heat can only flow from hot areas to \_\_\_\_\_\_

A measure of heat in the system

A measure of the random activity in a system

\_\_\_\_\_\_\_\_ means that effects can be reversed

The more disorder you have, the more \_\_\_\_\_\_ there is

What kind of light can we see?

What is the abbreviation for electromagnetic radiation

The key thing to remember is that light and EM radiation carry \_\_\_\_\_\_

All EM energy waves travel at the speed of \_\_\_\_\_\_\_

The abbreviation for all of the colors in the visible spectrum

Prisms are a very special type of \_\_\_\_

UV light is given off by the Sun and absorbed by \_\_\_\_\_ in the atmosphere

Dogs only see things in black, white and \_\_\_\_

Visible light is near the \_\_\_\_\_\_ of the spectrum

Red has the longest wavelength and \_\_\_\_\_ has the shortest

The amount of the charge is the same for each \_\_\_\_\_, but opposite in sign

The belt of a van de graff generator deposits \_\_\_\_\_\_ charges

What is one way to seperate a charge?

What is a traditional conducting material

If the current goes in one direction all the time, it is called what

charges move back and forth, so this is called what

\_\_\_\_\_\_\_ and electricity are always connected

\_\_\_\_\_\_ move towards a positive charge and away from a negative charge

What is a conductor that is not metal

What is the metallic conductor with the symbol Au

Michael Faraday was an English physicist working in the early \_\_\_\_\_

Coulomb's Law is one of the basic ideas of \_\_\_\_\_\_\_ in physics

Charges that are closer together create greater \_\_\_\_\_\_

An object or a device that gives off an external magnetic field

What is the electric wiring in your house

Most countries use AC frequencies at either 50 \_\_\_\_\_\_ or 60 \_\_\_\_\_\_\_.

What is the type of power used all over the world

Charles Augustin de Coulomb was a French scientist working in the late \_\_\_\_\_\_\_

In English: the amount of voltage created is equal to the change in \_\_\_\_\_\_\_\_ flux divided by the change in time

The collisions between electrons and atoms in a conductor cause \_\_\_\_\_\_\_\_\_ to the flow of charge.

In the early 1800's, scientists began examining the basis of matter, \_\_\_\_, and time

Albert Einstein developed formulas that described the way \_\_\_\_\_\_ and energy were related

\_\_\_\_\_\_ forces hold all of the pieces together

\_\_\_\_\_\_ reactions create much of the energy given off by the Sun.

The radioactive isotope of carbon is called what?

Radioactivity hurts what in living organisms

A chain reaction that keeps getting bigger is called an \_\_\_\_\_\_\_\_\_ chain

Researchers use an isotope of uranium called uranium \_\_\_

The half-life of uranium-238 is \_\_\_\_\_\_\_\_ years

The \_\_\_\_\_\_\_\_ condensate was theorized decades ago, but scientists have only recently been able to create it in a lab