QUIZ# 3

1. ***Fill in the blank.*** Electromagnetic waves do not require a physical \_**medium**\_ to spread and further to progress.
2. ***Answer the question.*** What is the law of the energy conservation?

**Energy is not created or destroyed**

1. ***Fill in the blank.*** Waves are caused by \_**vibrations**\_ of charged particles.
2. The three states of matter are:  **solid, liquid and gas**
3. Give me three examples of a gas (Write the names):

**HERE ARE SOME EXAMPLES: NITROGEN, OXYGEN, CARBON DIOXIDE, OXYGEN, AIR, ETC.**

1. What is an ion? (Write the correct response)

**AN ATOM WITH A CHARGE**

1. Is Na+ a cation or an anion? (Write the correct response).

**CATION**

1. Marked the statement true or false.Electronegativity is the ability of an atom to attract electrons **TRUE**
2. In what direction does electronegativity decreases on the periodic table?

**FROM TOP TO BOTTOM**