6. A plane flies 3000km from Hawaii to Los Angles in 6 hours what is the velocity of the plane? Include the direction. _____ Unit km km/hr hr km/hr east km/hr west km/hr north
7. Newton's First Law of Motion states an object at rest will _____ at rest and/or an object in motion _____ in motion unless acted upon by a(n) _____ force. This is also known as the Law of _____.
8. Families on the periodic table are in (**columns, rows**) and periods are in (**columns, rows**).
9. Newton's Second Law of Motion states that force is equal to _____ **times** _____.
10. In this equation $MgCO_3 \longrightarrow MgO + CO_2$, the reactants are **$MgCO_3$ MgO CO_2** and the products are **$MgCO_3$ MgO CO_2**
11. Select True or False next to each statement. All nonmetals (except hydrogen)
    a. _____ are found pure in nature.
    b. _____ are liquids at room temperature
    c. _____ are all very reactive
    d. _____ are found right of the zig-zag line on the periodic table.
12. Select True or False next to each statement concerning nuclear energy.
    a. _____ a small amount of matter produces a large amount of energy
    b. _____ Nuclear fusion occurs on the sun.
    c. _____ Nuclear fission happens when nuclei join.
    d. _____ Nuclear fusion happens when two hydrogen combine to form a helium and release a tremendous amount of energy.
    e. _____ Nuclear fusion is happens when nuclei are split.
    f. _____ radioactive waste is a product of nuclear fission.
    g. _____ During nuclear fission an atom splits are releases a large amount of energy. Which is used in nuclear power plants to produce low cost electrical energy.
    h. _____ One advantage of nuclear energy is that it produces almost no air pollution.
13. If your mass on Earth is 60kg what would your mass on the moon be? ____ **kg**
14. If you through a baseball upward it will travel upward until gravity forces it back to Earth. This is best explained by which one of Newton's Laws? _____

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