

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 $\text{MgCO}_3 \longrightarrow \text{MgO} + \text{CO}_2$, the reactants are **MgCO₃** **MgO** **CO₂** and the products are **MgCO₃** **MgO** **CO₂**
11. Select True or False next to each statement. All nonmetals (except hydrogen)
- _____ are found pure in nature.
 - _____ are liquids at room temperature
 - _____ are all very reactive
 - _____ 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 small amount of matter produces a large amount of energy
 - _____ Nuclear fusion occurs on the sun.
 - _____ Nuclear fission happens when nuclei join.
 - _____ Nuclear fusion happens when two hydrogen combine to form a helium and release a tremendous amount of energy.
 - _____ Nuclear fusion is happens when nuclei are split.
 - _____ radioactive waste is a product of nuclear fission.
 - _____ 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.
 - _____ 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? _____