32. When a metal bonds with an nonmetal a(n) (**ionic, covalent**) bond forms.
When two nonmetals bond a(n) (**ionic, covalent**) bond forms.

33. In a chemical equation the reactants are found to the _____ of the arrow, and the _____ are found to the right.

34. In this equation $MgCO_3 \longrightarrow MgO + CO_2$, the reactants are: **$MgCO_3$ MgO O_2** and the products are: **$MgCO_3$ MgO CO_2**

35. You set up an experiment to test the hypothesis that plants grow faster in Red light. The constants in this experiment are the pot type, the amount of water, and the fertilizer. Look at the picture, what else should be constant?



36. In the experiment above, what is the IV?

37. You test a bunch of different softball bats to see which one will make your softball go the farthest. The different bats are the **Independent Dependent** variable, and the distance the ball goes is the **Independent Dependent** variable.

38. 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.

39. The prefix **co** means to _____. The type of bond formed when electrons are shares is a(n) _____ bond.

40. Select Physical property, Physical change, Chemical property or Chemical change for each.

	adding heat makes a solid melt		boiling water
	rusting		bending a paper clip
	burning a log		texture
	chopping a log		condensation of a gas to a liquid
	mass		The ability to rust
	hardness		breaking a glass
	digesting food		putting a paper clip in acid

41. The table at the right shows that as student height (**increases, decreases**), student weight (**increases, decreases**).

Student Height	Student Weight
5'4"	132
5'6"	145
5'7	152
5'9"	160
5'11	178

LIVEWORKSHEETS