

49. A reaction that absorbs energy is called _____ and will feel _____. A reaction that releases energy is called _____ and will feel _____.

50. Burning wood is an example of an (**endothermic, exothermic**) reaction.

51. When you mix Ammonium chloride with water it reacts and feels cold, this is an (**exothermic, endothermic**) reaction.

52. What is the volume of the liquid in the graduated cylinder? _____

53. Density is defined as _____ per unit of _____.

54. Per means to _____

55. The formula for Density is $D = \frac{\text{mass}}{\text{volume}}$

56. Fill out the triangle with the variables in the right box.

57. If the liquid in the graduated cylinder has a mass of 60 grams.

What is its density? _____

58. Put these elements in order from the least protons to the most protons. At, Br, F, Cl, I.

_____, _____, _____, _____, _____

59. Drag and drop the properties to the correct location.

Ionic Compounds	Covalent Compounds

Drag and Drop
Break into ions when dissolved
Conduct electricity when dissolved
From Crystal patterns
High melting points
Do not break into ions when dissolved
Usually solids at room temperature
Usually liquids or gases at room temperature
Do not form crystals
Low melting points
Poor conductors of electricity
Can be polar or nonpolar

60. Nuclear fusion, fission is used by the Sun to produce energy, but is not practical on Earth because it requires extremely **low, high** temperatures and is too **expensive and difficult to maintain, inexpensive to be profitable**.

61. Nuclear **fusion, fission** is used by nuclear power plants to produce power.