

Name:

Date:

Class:

## Formative Assessment 1

1. Match the words to their role.

Powder
Water
Temperature
Solubility

Solvent
Independent Variable
Solute
Dependent Variable

2. If a solution is saturated that means \_\_\_\_\_.  
a. The solution has no solute in it at all.  
b. The solution does not have enough solute.  
c. The solution has the maximum amount of solute it can hold.  
d. The solution has more solute than it can hold.
3. As heat increases solubility \_\_\_\_\_.  
a. increases  
b. decreases  
c. stays the same  
d. There's not enough information to answer this question.
4. As heat increases which of the following happens to electrons:  
i. They speed up.  
ii. Their energy increases.  
iii. They get closer together.  
a. i only  
b. iii only  
c. i and ii only  
d. i, ii, and iii
5. The solution you created is classified as an \_\_\_\_\_.  
a. element  
b. compound  
c. homogenous mixture  
d. heterogeneous mixture