**Water Notes**

***Structure of Water***

Each water molecule contains \_\_\_\_\_ oxygen and\_\_\_\_\_\_ hydrogen.

Draw the structure of a water molecule:

Water is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Why?

Charge on oxygen:

Charge on hydrogen:

***Hydrogen bonding***

definition-

Draw a hydrogen bond:

***Properties of water***

1)

2)

**Mixtures**

Definition:

Types:

1)

Example:

Solvent:

Solute:

2)

Another example of a solution (Label solute and solvent!)

***Acids and Bases***

1) acid-

2) base-

3) pH scale- shows concentration of H+ in solution.

4) pH of water=

5) The pH of acids is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than the pH of bases.

6) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_- weak acid or base that prevents sudden changes in pH

