Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Learning Goal: To understand the difference between quantitative and qualitative observations.*

Observations use one or more of your senses (sight, hearing, smell, taste and touch) to gather information about the world.

**Qualitative**: Descriptions that do not use numbers (**colors, smell, taste, textures, sounds**).

**Quantitative:** Observations that **use** **numbers** (counting, measuring, weighing).

Tips for making observations:

* + Use your five senses…i.e. qualitative
  + Whenever possible, count or use measuring tools to make **quantitative** observations.
    - Estimate if no tools are available!
    - Make sure that your observations are accurate and objective!

Do the following describe qualitative or quantitative observations? Write on the line below whether you think the observation is Quantitative or Qualitative.

* The bird has 2 wings. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Ms. J has Blue eyes. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* The flower has 7 petals. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* The fish feels slimy. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* The sloth weighs 217lbs. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* The red flower has 2 green leaves on its stem. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* The egg smells. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* The road is long. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_