**Observations & Inferences**

**Objective**: *Describe and give examples of quantitative and qualitative observations.  Make appropriate inferences based on observations.*

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|  | **Observations** are descriptions made with your 5 senses   * Distinguish between objects or organisms * Want to be accurate     **Quantitative** - numerical data   * Examples: 4 turtles, 5 cm long, 100 seconds * Possible Tools: ruler, balance, graduated cylinder, stopwatch, ...     **Qualitative** - descriptive data   * Examples: brown hair, rings around planet     **Inferences** are explanations based on observations and background knowledge   * Example: Since I see wrinkles on the man’s skin, I infer that he is old. |

**Summary:** *Observe the picture below.  Make 3 quantitative and 3 qualitative observations.  Draw 2 inferences about what occurred.*

