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

