
UNIT 1: SCIENTIFIC INQUIRY

TODAY: Observations Vs. Inferences

HW(Due Tues): Observation/Inference
&
Quantitative/Qualitative worksheets

Do Now: Write down as much information as you can about the image below. Put one piece of info on each post-it.



What is an observation?

Observation: any information gathered and recorded using the five senses or scientific tools.

- Hear, See, Touch, Taste, Smell
- Rulers, scales, etc



What is an inference?

Inference: A conclusion based on relevant knowledge and observations.



Types of observations

Qualitative Observation: an observation that describes the *qualities* of something with words, such as color, odor, texture, sound, taste, etc. Uses the five senses!

Quantitative Observation: an observation that describes the quantity (amount) or measurement of something with numbers and a unit of measurement, such as “10 feet”, or “250 grams”. Uses scientific tools!

N FOR NUMBERS!

