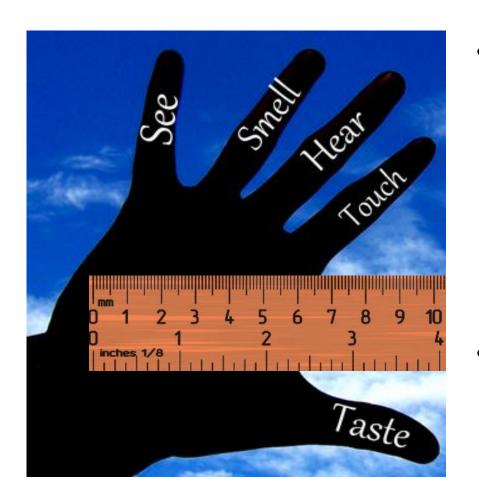
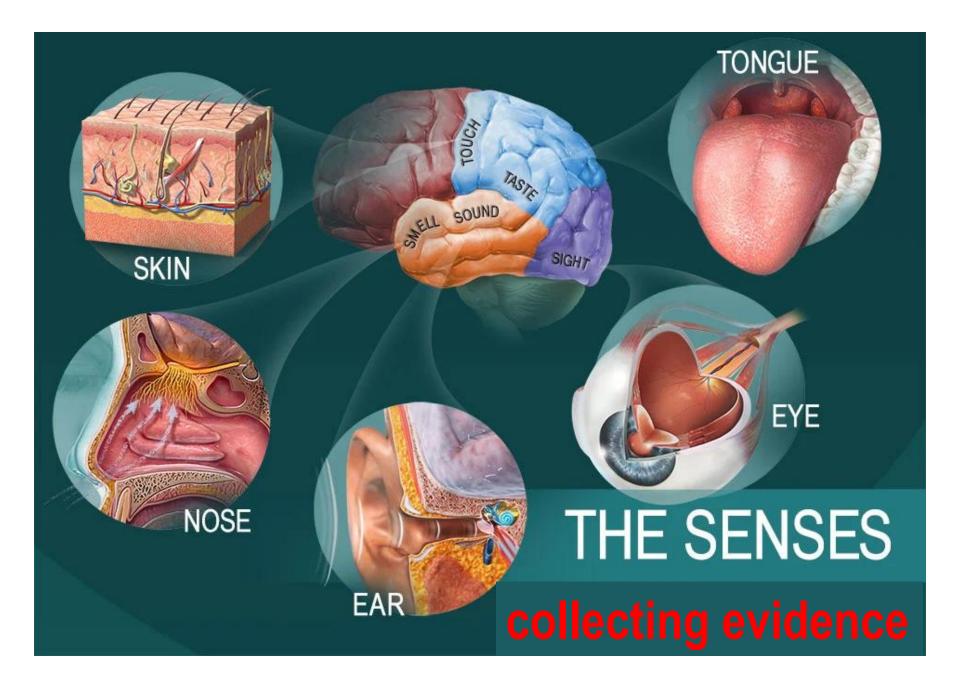


Evidence is based on Observation



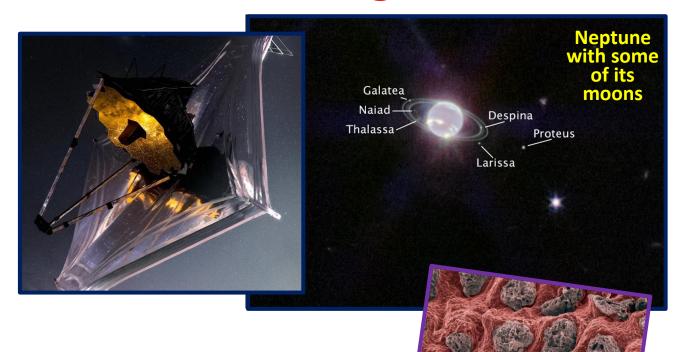
- Observation is describing an object or event using your five senses (what you see, hear, smell, taste, touch) or measurement (numbers).
- Modern science employs sensors and detectors to make observations.
- Information gathered during an observation is called data (singular form datum).



Instruments collecting evidence

James Webb Telescope

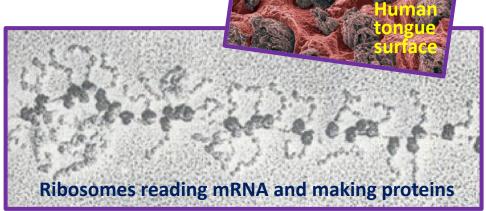
helps observe VERY FAR AWAY objects





Electron Microscope

helps observe VERY SMALL objects



Observation depends on observer

- Location and size of an observer
- Observer limitations





can only see visible light





can see ultraviolet light

DIY: Monarch Butterfly



rare Hawaiian white form

common form



DIY: Clouds







