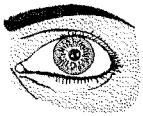


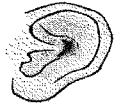
Observation & Inference

Qualitative vs. Quantitative

Observation: Using your senses, sight, hearing, smell, taste, and touch to describe something.



The Human Eye



The Ear



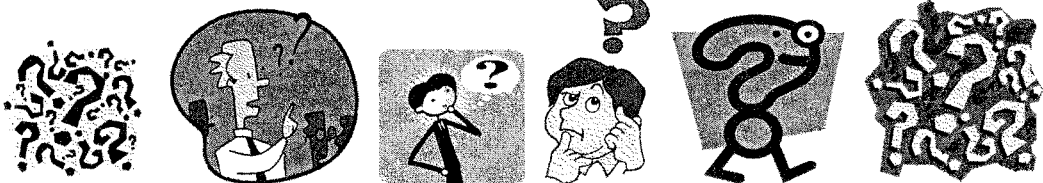
The Nose



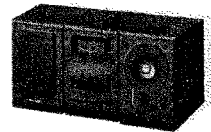
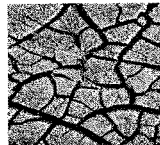
The Palm



Inference: Making a guess or prediction based on what you observe.



Qualitative observations: are descriptions that do not use numbers. For example, if you report colors, smells, tastes, textures, or sounds, you are making qualitative observations.



Quantitative observations: include numbers. If you count objects or measure them with standard units, you are making quantitative observations. Quantitative observations are often made using tools.

