

Scientific Method

1. Make an observation
2. Ask questions/Identify the problem
3. Research
4. Create a hypothesis
5. Conduct the experiment
6. Collect data
7. Anaylze data
8. Draw a conclusion
9. Report

Qualitative Data- data that is descriptive and relies on words to describe. Examples: taller, faster, farther, healthier, sweeter, shorter

Quantitative Data- data that relies on measurements and numbers to describe. Examples: 10 cm farther, 34 degrees celcius cooler, 2 ml

Subjective statement- a statement that uses qualitative language to describe an event or result. Ex. That plant looks *healthier*.

Objective statement- a statement that uses quantitative language to describe an event or result Ex. That plant grew *13 cm* in seven days.

Subjective hypothesis- If more water is added to the soil then plants will be healthier

Objetive hypothesis- If 25 ml of water is added to the soil then the plants will grow 10 percent more per month.