

An Example of the Scientific Methods

As you observe your experiment, you will need to record the progress of your experiment. Data can be whatever you observe about your experiment that may or may not change during the time of the experimentation. Examples of data are values in pH, Temperature, a measurement of growth, color, distance, etc.

Pretest:

- 1- What is the Hypothesis?
- 2- How many steps in Experimental Design.

Posttest:

- 1- What do you mean about Materials.
- 2- Data are the ——— written down as the experiment progresses.

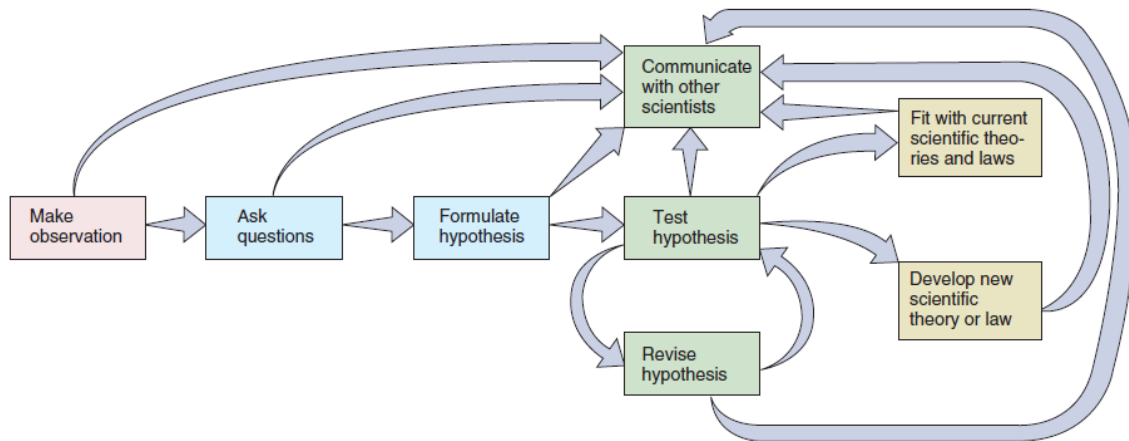
Key answer:

Pretest:

- 1- Is an "educated guess" formed as a statement, that, you propose to be the answer to the research question. An educated guess based on some prior knowledge.
- 2- There are 7.

Posttest:

- 1- List all supplies and equipment.
- 2- Values.



The Scientific Method

The scientific method is a way of thinking that involves making hypotheses about observations and testing the validity of the hypotheses. When hypotheses are disproved, they can be revised and tested in their new form. Throughout the scientific process, people communicate about their ideas. Theories and laws develop as a result of people recognizing broad areas of agreement about how the world works. Current laws and theories help people formulate their approaches to scientific questions.

The End