

Science

Quiz Review



Look at the picture above.

1. List one observation: _____
2. List one inference: _____
3. List one prediction: _____

Read the passage below and identify the independent and dependent variables.

Mrs. Uhrlass loves to have a bowl of ice cream every night after dinner. However, she fears that too much of it has made her gain some weight. She wonders if switching her ice cream to a bowl of fruit would make a difference. Does my desert effect my weight gain? She decides to trade in her ice cream for fruit for one month to determine if there is any change.

4. Dependent variable: _____
5. Independent variable (aka: the control) _____
6. On which axis would you place your independent variable? _____
7. On which axis would you place your dependent variable? _____

Define the following terms:

1.

Classifying_____

2. Observing_____

3. Models_____

4. Inferring_____

5. Predicting_____

- What is the difference between inferring and predicting?

- The scientific method always begins with what? _____

- Scientists always make conclusions from their experiments based on what?

- If a scientist realizes that data does not support their original hypothesis, what should they do?

- When designing an experiment, **ALL** parts of the experiment should be the same except for the _____(what you are testing).