

Reinforcement - Scientific Processes

experiment
manipulated
evidence

responding
qualitative
law

observing
hypothesis
natural

quantitative
theory
inference



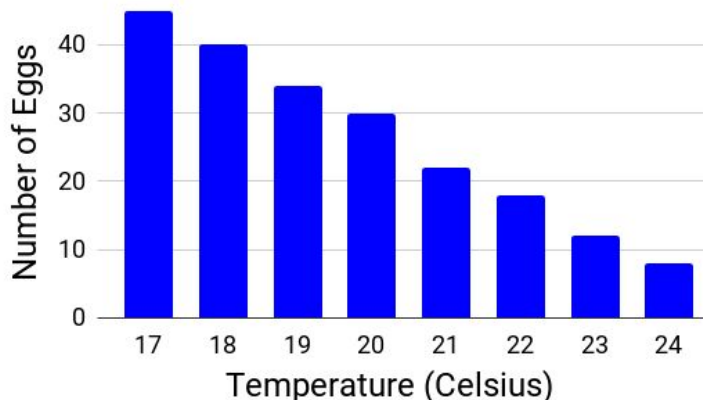
1. Science is a body of knowledge that explains the _____ world.
2. Gathering information with the senses: _____.
3. A logical interpretation based on observations: _____
4. All claims in science should be supported by _____.
5. Type of data that is measured with numbers; example: temperature of water: _____
6. Type of data that is in the form of a description; example: color of the water: _____
7. A proposed explanation that can be tested: _____
8. A step-by-step procedure that is used to test a hypothesis: _____
9. The thing that the scientist changes in an experiment: _____ variable
10. What is measured or observed in an experiment: _____ variable
11. In science, a _____ combines observations and explains WHY. (Ex. Evolution)
12. In science, a _____ is used to make predictions, telling us WHAT will happen.

Analyzing Data

The graph shows the number of shrimp hatched at different temperatures.

What is the manipulated variable? _____

What is the responding variable? _____



How would you summarize or caption this graph? In one sentence, connect the two variables.