

**A. Scientific Theory and Scientific Laws.****1. Scientific Theory**

A Scientific Theory is an explanation of observations or events based on knowledge gained.

**2. Scientific Laws:**

A Scientific Law describes a pattern or an event in nature that is always true.

Use the information above to complete the statements by filling in the missing words:

1. A Scientific Theory is \_\_\_\_\_ of observations based on knowledge gained.
2. A Scientific Law describes a pattern or event in nature that is \_\_\_\_\_

**B. Evaluating Scientific Evidence****1. Critical Thinking:**

Comparing what you already know with the information you are given in order to decide whether you agree with it.

**2. Bias:**

Bias is intentional or unintentional preferring one thing above another, to favour that thing towards a specific outcome and should not be part of Scientific Inquiry.

**Minimize Bias by:** Sampling, Blind Study and Repetition.

Use the information above to choose the correct answer by filling in the correct letter or word in the given spaces:

3. Which of the following should not be part of Scientific Inquiry?
  - A. Hypothesis
  - B. Testing
  - C. Analysis
  - D. Bias
4. Give 3 ways in which Bias can be minimized during Scientific Inquiry.