

## **Concept 2.3**

### **Understanding science will help you evaluate many issues.**

**Evidence** - a collected body of data from observations and experiments which have been repeated multiple times with similar results.

**Hypothesis** - a suggested answer to a well-defined scientific question.

1. Supported
2. Contradicted

### **Limitations**

1. Technology
2. Tools

**Theories** - well-tested explanation that makes sense of a great variety of scientific observations.

**Models** - physical, mental, or mathematical representations of how people understand a process or idea;  
ex. drawing, graph, map, equation, ect.

**Communication** - researchers share their findings; both competition and cooperation characterize the scientific culture.

**Technology** - applying scientific understanding for some scientific purpose.