

Lesson 1-1 part 2 Vocabulary

- **Observation:** the process of obtaining information by using the senses; the information obtained by using the senses
- **Hypothesis:** an idea or explanation that is based on observations and that can be tested
- **Independent variable:** in an experiment, the factor that is deliberately manipulated
- **Dependent variable:** in an experiment, the factor that changes as a result of manipulation of one or more other factors (the independent variables)
- **Peer review:** the process in which experts in a given field examine the results and conclusions of a scientist's study before that study is accepted for publication
- **Theory:** the explanation for some phenomenon that is based on observation, experimentation, and reasoning; that is supported by a large quantity of evidence; and that does not conflict with any existing experimental results or observations