

Unit 1 Free Response Questions

Version 1

Answer the following questions using complete sentences. In order to receive full credit you must answer all parts of each question.

1. What is the difference between a theory and a hypothesis?
2. You are out hiking and come across a strange looking object, you think that it is a plant but are not sure. EXPLAIN at least five characteristics of life you could use to tell if the object was alive or not (let's say you have a full scale laboratory to use on your hike).

Unit 1 Free Response Questions

Version 2

Answer the following questions using complete sentences. In order to receive full credit you must answer all parts of each question.

1. What are the differences between sexual and asexual reproduction?
2. Sheldon is working on a science project. His task is to answer the question: "Does Monster energy drinks increase their ability to hole punch a stack of papers?" His friends and coworkers are volunteers to assist him with his experiment.

Write a procedure for how Sheldon would perform this experiment. Identify the control group, and the independent and dependent variables in your description.