Oceanography -- Questions and Answers taken from Georgia Virtual Learning

Day 15 Test Answers -- Part of the Easy Peasy All-in-One Homeschool

Answers DO NOT have to be verbatim.

1. The goal of science is to investigate and understand nature, to explain events in nature, and to use those explanations to make useful predictions.

2. A hypothesis is a tentative assumption used to test an idea. (examples will vary)

3. Variables and constants are both used in creating experiments but variables change and constants do not.

4. The independent and dependant variable are both parts of an experiment. The independent variable is controlled and the dependant variable is the reaction in the experiment.

5. When scientists use a control, they are using it to compare against the experimental results.

6. Observations involve all five of our senses.

7. Quantitative observations are observations that detail the quantity or numbers associated with an observation. Example: "There was a temperature increase in the water of 10oC."
Qualitative observations are observations that detail the quality of an object such as size, shape, smell, sound, etc. There are no numbers associated with qualitative observations. Example: "The water was very still."

8. An inference is a guess based on recent observations.

9. The law of gravity is an example of a scientific law.

10. Questions that don't involve any observable, measurable answers.

11. Which dip tastes best? Try each one and decide based on taste test. (answers will vary)

12. Scientists research, observe, describe, report, experiment, hypothesize, share findings… (not all need to be listed)

13. Scientific inquiry is a process of developing an explanation of a question in the natural world (or universe) by testing, investigating and collecting data that will either support or refute your original idea of what's going on. For example, "Is vehicle speed affected by its fuel?" is a scientific enquiry. Source(s): wiki

14. Answers will vary.

15. General answer: Scientists investigate the earth's oceans to make useful predictions. (other answers can be acceptable)