

The Nature of Science

Name _____ Per. ____

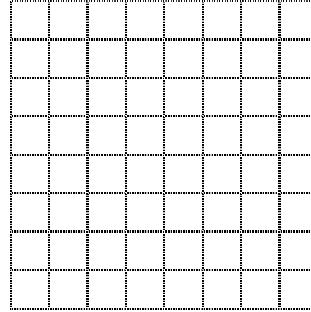
Read Section 1.2, pp. 11-14 and Section 1.3, pp. 16-21 and 24. Answer the following questions based on this reading.

1. On page 11, what is the nature or central purpose of science?
2. On pages 11-14, what are six characteristics of science (what does it 'use' or 'do')?
3. Referring to pages 16, and 18-20, what are five specific "methods of science" used when conducting research?
4. Compare a 'theory' (pg. 11) to a 'hypothesis' (pg. 18).
5. Compare and contrast a control group with an experimental group. See pg. 19.
6. Name and briefly describe the three experimental variables. See pg. 19.

(continued on back)

7. See the Data Analysis Lab 1.1 on page 14. Do numbers 1, 2, and 4 under Data and Observations. For number 1, you will complete the data table; make sure the second column is “chirps per fifteen seconds.” Make sure you include all the components of a good scientific graph. See pp. 1115-1117.

Temp. (°F)	Chirps (per 15 s)



4)

8. Look-up each of the following Scripture passages. Briefly explain what the passage says that would support something related to Biology (refer to pp. 4-6). The first one has been done for you.

Gen. 1:28 – *Fulfill the needs of society by filling the earth (reproduction), ruling the earth, managing the earth, and caring for it.*

Gen. 2:15 –

1 Cor. 12:9 –

1 Cor. 12:14-20 –