

Total Points: ___/27

Name _____ Date _____ Per. ____

UNIT 1: The Relevance of Science: Pre-test _____ Post-test: _____

Part I: Multiple Choice: Key Terms

Circle the letter that best completes each statement.

____/6 points

1. Protocols are... A. discoveries by a scientist. B. tools in the science lab. C. the correct way to do something. D. a group of scientists.	2. Patterns are... A. changing ideas. B. a repeated order of something. C. items for a science experiment. D. how to write down information.
3. Values are... A. important ideas that guide thinking. B. answers on a worksheet. C. tools in a science lab. D. experiments for science.	4. The scientific method is.. A. the way to clean a science lab. B. lists of famous science experiments. C. a big science textbook. D. a process to answer science questions.
5. To observe means to... A. talk with a partner. B. watch and study closely. C. write a report for class. D. share an idea with others.	6. Questioning is... A. how research might begin. B. deleting data. C. writing down what you learn. D. a way to draw a graph.

Part II: Matching: Scientific Method

Write letter from Column 1 on the line next to the best match in Column 2. ____/7 points

Column 1:

Column 2:

A. a problem	7. _____ to study, explore, or investigate
B. to question	8. _____ results; answers
C. a hypothesis	9. _____ some difficulty or trouble
D. to research	10. _____ a prediction; an educated guess
E. findings	11. _____ to look closely to understand data
F. to document	12. _____ to ask or wonder about something
G. to analyze	13. _____ to record or write down

14. (3 points)

Write about one field or kind of science studied in Hawai'i. Include the following:

- Field of science or type of scientist
- Example of the work they do
- Why Hawai'i is a special place to do this work

15. (3 points)

Native Hawaiian ancestors were trained to be different kinds of scientists. Write about one kind of science they practiced. Include 3 or more facts (*i.e.: what, how, where, and why they did their work*):

(1 point each)

16. The Hawaiian phrase *Ka 'Upena o ke Ola* means _____.

17. This phrase helps us understand or visualize _____

Part IV: Sketch and Caption: Values

For each value below: 1 point = sketch; 1 point = caption

A. Create a "thumbnail sketch" that is a picture showing each

18. LŌKAHI/ Harmony (2 points):

19. ALOHA/Love (2 points):

20. HO'IHI/Respect (2 points):