

Unit 1: Lesson 2- Scientific Knowledge

Vocabulary

1. Theory (page 20: **NOT FOUND IN THE BACK OF YOUR BOOK!**)-

Method Acting Page 18-19

1. How do scientists choose their method?

2. What are methods?

3. What kind of tools can you use in a science investigation?

4. Where are two places that a science investigation can take place?

5. What tools and methods might a scientist use to study penguins?

6. What tools and methods might a scientist use to study volcanoes?

7. What is the difference between doing an experiment and working in the field?

Well, prove it! Page 20-21

8. What is a theory?

9. How did the dinosaurs become extinct?

10. What evidence, in the 1970s, did Walter and Luis Alvarez find to help support the dinosaur extinction theory?

11. What other evidence was found in the 1990s to support that a meteorite played a role in the extinction?

12. What other evidence was found, but was later thrown out?

13. What was the final conclusion about the dinosaur extinction theory?

Scientific Theories Examples

14. What does the Plate Tectonic Theory state?

15. What evidence is there to support this theory?

16. What does Cell Theory state?

17. What evidence is there to support this theory?

18. What kind of tool would you use to look at cells?

19. What is the Law of Genetics?

Flower

	a	a
A		
A		

A= Purple Flower

a= White Flower

How can you know who's right? Page 22-23

20. What are example of reliable sources, how do you know?

21. What are examples of unreliable sources, how do you know?

22. What type of evidence do scientists study to support (or not support) the idea that birds descended from a dinosaur ancestor?

23. Where might you find more information about the topic discussed in question 21?

24. Where might you look to find out the latest information on Mars exploration?

25. What tools might you use if you wanted to study how nutrition affects hair growth?
