

Biology

Worksheet over pp 11-21

Name: _____

Date: _____ Hour: _____

1. According to the Main Idea on page 11, what is science? _____

2. What is the essential characteristic of science? _____

3. Where and what is the scientist studying in Figure 1.9? _____

4. Define theory: _____

5. What theory explains why a ball is attracted to Earth? _____

6. What are two of the most important theories in biology? _____

7. Describe physiognomy: _____

8. Name three examples of pseudosciences:

a. _____ b. _____ c. _____

9. What is the driving force that moves all science forward? _____

10. According to Figure 1.12, what does a bat's wing most closely resemble? _____

11. What famous book was written in 1962? _____

12. In 1997, what led to the theory that human came from Africa 200,000 years ago? _____

13. What is a major difference between science claims and pseudoscience claims? _____

14. What are four of the most common metric units used in biology?

a. _____ c. _____

b. _____ d. _____

15. What makes a person scientifically literate? _____

16. What is inferring? _____

17. What type of bird is shown in Figure 1.14? _____

18. According to Figure 1.15, what are three things I can compare?

a. _____ b. _____ c. _____

19. Describe the hypothesis used regarding isometric pressure: _____

20. What happened to the blood pressure of pilots after isometric exercise? _____

21. What was the scientist's hypothesis regarding kittiwakes? _____

22. What was the independent variable in the kittiwake experiment? _____

23. What does a scientist use to gather data? _____

24. What are three questions asked after analyzing data from an investigation?

a. _____

b. _____

c. _____

25. Why would biologists work in teams? _____

26. What has to occur before a scientist is published in a journal? _____
