

Science of Life Study Guide

5 pages + 5-page Answer KEY

Name _____ Date _____

SCIENCE OF LIFE STUDY GUIDE

1. How do scientists support their ideas?

2. What are 4 scientific things scientists could be doing to support their ideas?

3. Why is it important to understand science?

4. Explain the difference between hypotheses, theory, and law.

5. List the steps in the scientific method.

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6. Describe the difference between an independent and dependent variable.

7. During a controlled experiment, the group that is left alone is the _____.

8. Answer the question for the table below: _____

9. Cytology

10. Surface morphology

11. List the 7 components of life.

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12. Surface morphology

13. Explain how the 7 components of life are related to each other.

14. Surface morphology

15. Why do cells have a cell wall?

16. Why do cells have a cell membrane?

17. Explain the role of conservation of energy.

Biology

18. Explain the role of conservation of energy.

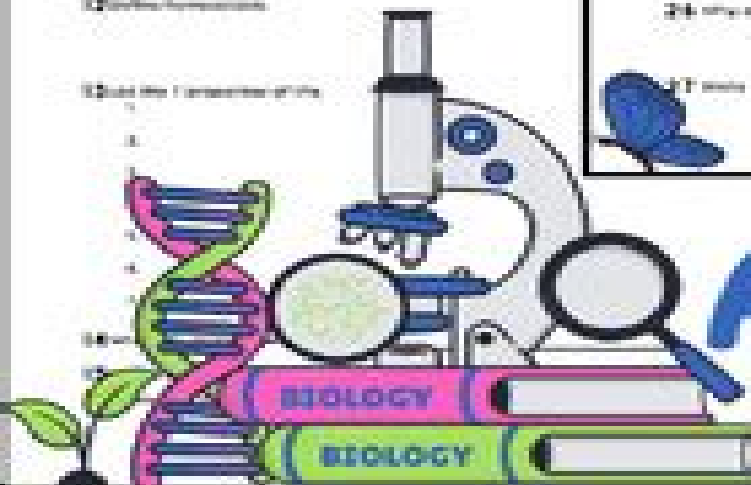
19. Label the diagram of a cell with the following terms: nucleus, cytoplasm, cell membrane, cell wall, vacuole, chloroplast, mitochondrion, Golgi apparatus, lysosome, peroxisome, centrioles, flagella, cilia, microtubules, microfilaments, ribosomes, endoplasmic reticulum, rough endoplasmic reticulum, smooth endoplasmic reticulum, Golgi apparatus, lysosome, peroxisome, centrioles, flagella, cilia, microtubules, microfilaments, ribosomes, endoplasmic reticulum, rough endoplasmic reticulum, smooth endoplasmic reticulum.

Refer to the diagram below for the following questions:

20. What temperature is the most optimal for the enzyme?

21. What temperature is the least optimal for the enzyme?

22. What temperature do you think was the optimal for the enzyme?



ANSWER KEY INCLUDED

Biology Chemistry Life Study Guide

Cybellium



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