

Name _____

Period _____

Date _____

CELL STRUCTURE STUDY GUIDE

1. Identify the cell structures.



2. Describe two ways you can tell this cell is NOT a plant cell.
3. Describe two ways you can tell this cell is NOT a bacterial cell.
4. What are cells called that have no nucleus and no organelles?
5. What are cells called that have a nucleus and organelles?
6. What kinds of cells are eukaryotes?
7. What kinds of cells are prokaryotes?
8. A structure surrounded by a membrane that performs a specialized function within a cell is known as?
9. List 3 ways in which a plant cell differs from an animal cell. Be sure to indicate what belongs to the plant and what belongs to the animal cell.
10. Describe the differences between the structure and functions of the rough and the smooth ER.
11. What organelle is responsible for modifying and packaging proteins for distribution?
12. What organelle is responsible for storing water inside a plant cell?
13. List the organelles involved in the process of protein production.
14. What is the gel-like material inside the cell and inside organelles called?
15. Where does photosynthesis occur in a cell?
16. What is the dark spot in the nucleus called?
17. If a cell is very active, like muscle cells and needs more energy, what type of organelle will it need more of?
18. What is the purpose of DNA inside the nucleus?

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17. What structure surrounds the DNA and controls what enters and leaves the nucleus?
18. What is the job of the nucleolus?

Life Science Cell Unit Study Guide

Zhe Xu



Life Science Cell Unit Study Guide:

The Enigmatic Realm of **Life Science Cell Unit Study Guide**: Unleashing the Language is Inner Magic

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