

NAME \_\_\_\_\_

CHAPTER 7: Cell Structure and Function STARTS WITH ? Review

1. Small structure in a cell that performs a specific function = O \_\_\_\_\_
2. Dark spot in the nucleus where RNA for ribosomes is made = N \_\_\_\_\_
3. Sac of digestive enzymes = L \_\_\_\_\_
4. R \_\_\_\_\_ ER is covered by ribosomes and transports substances to the Golgi apparatus.
5. The C \_\_\_\_\_ W \_\_\_\_\_ is found outside the cell membrane in plants and bacteria and provides support and protection.
6. An organism like a green plant that can make its own food = A \_\_\_\_\_
7. These sausage shaped organelles burn glucose and store the energy as ATP = M \_\_\_\_\_
8. The molecule used by cells to store genetic information = D \_\_\_\_\_
9. An organism with a nuclear membrane and organelles surrounded by membranes = E \_\_\_\_\_
10. The N \_\_\_\_\_ is surrounded by a double membrane, contains the cells DNA, and acts as the control center.
11. One or two long hair-like structures called F \_\_\_\_\_ extend from the surface and help move the cell.
12. The C \_\_\_\_\_ contains the gel-like material and organelles located between the nucleus and cell membrane.
13. Smooth ER has several functions including regulating calcium levels in muscle cells, breaking down toxins in liver cells, and making membrane lipids called S \_\_\_\_\_.
14. The folded inner membranes inside mitochondria are called C \_\_\_\_\_.
15. A cell membrane is a B \_\_\_\_\_ because the phospholipids line up in **TWO ROWS** to try and keep their hydrophobic tails away from water.
16. The C \_\_\_\_\_ M \_\_\_\_\_ surrounds all cells and is selectively permeable to control what enters and leaves the cell.
17. The function of ribosomes is to make P \_\_\_\_\_.
18. P \_\_\_\_\_ cells and animal cells are both eukaryotes.
19. ER is an abbreviation for E \_\_\_\_\_ R \_\_\_\_\_
20. S \_\_\_\_\_ ER does NOT have ribosomes attached.
21. The thylakoid sacs found inside a C \_\_\_\_\_ are where photosynthesis happens in plant cells.
22. P \_\_\_\_\_ have a polar head and two non-polar tails and combine with proteins to make cell membranes.
23. A G \_\_\_\_\_ B \_\_\_\_\_ looks like stacks of pancakes which modifies, sorts, and packages molecules for storage or transport out of the cell.
24. I \_\_\_\_\_ proteins stick into the cell membrane. They can go part way or all the way through to the other side.
25. Space for storing food, water, enzymes, or waste = V \_\_\_\_\_