

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 _____

26. An organism (like you) that CAN'T make its own food and gets its energy by eating other organisms = H _____
27. A P _____ is an organism like a bacterium with NO NUCLEAR MEMBRANE and NO MEMBRANE BOUND ORGANELLES.
28. R _____ are small structures that make proteins.
29. B _____ would be examples of cells that are PROKARYOTES.
30. The C _____ is made of microtubules and microfilaments in the cytoplasm which provide support and give the cell its shape.
31. Molecule used by mitochondria to store energy = A _____
32. C _____ are many short hair-like structures on the surface of a cell that help move the cell or move substances past the cell.
33. C _____ are log-like structures that appear during cell division in animal cells and pull the chromosomes apart.
34. P _____ proteins stick to the outside or inside surface of a cell membrane.
35. A _____ is programmed cell death for the good of the organism.