

NAME _____

CHAPTER 7: Cell Structure and Function Review Crossword

ACROSS:

1. Small structure in a cell that performs a specific function = _____
2. Dark spot in the nucleus where ribosomes are made = _____
3. Sac of digestive enzymes = _____
4. _____ ER is covered by ribosomes and sends its modified proteins to the Golgi apparatus.
5. The _____ 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 = _____
7. These sausage shaped organelles burn glucose and store the energy as ATP
= _____
8. The molecule used by cells to store genetic information = _____
9. An organism with a nuclear membrane and organelles surrounded by membranes =

10. The _____ 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 _____ extend from the surface of cells and help move the cell.
12. The _____ is the gel-like material plus the cell's organelles.
13. Smooth ER has several functions including regulating calcium levels in muscle cells, breaking down toxins in liver cells, and making membrane lipids called _____.
14. The folded inner membranes inside mitochondria are called _____.
15. A cell membrane is a lipid _____ because the phospholipids line up in TWO ROWS to try and keep their hydrophobic tails away from water.
16. The _____ surrounds all cells and is selectively permeable to control what enters and leaves the cell.

DOWN:

1. The function of ribosomes is to make _____.

2. _____ cells and animal cells are both eukaryotes.
3. ER is an abbreviation for

4. _____ ER does NOT have ribosomes attached.
5. The thylakoid sacs found inside a _____ are where photosynthesis happens in plant cells.
6. _____ have a polar head and two non-polar tails and combine with proteins to make cell membranes.
7. A _____ looks like a stack of pancakes and packages molecules for transport out of the cell.
8. _____ proteins stick into the cell membrane. They can go part way or all the way through to the other side.
9. Space for storing food, water, enzymes, or waste = _____
10. An organism (like you) that CAN'T make its own food and gets its energy by eating other organisms = _____
11. A _____ is an organism like a bacteria with NO NUCLEAR MEMBRANE and NO MEMBRANE BOUND ORGANELLES.
12. _____ are small structures that make proteins.
13. _____ would be examples of cells that are PROKARYOTES.
14. The _____ is made of microtubules and microfilaments in the cytoplasm that provide support and give the cell its shape.
15. Molecule used by mitochondria to store energy = _____
16. _____ are many short hair-like structures on the surface of a cell that help move the cell or move substances past the cell.
17. _____ are loop-like structures that appear during cell division in animal cells and pull the chromosomes apart.
18. The process in which a cell destroys itself for the good of the organism is called
