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_ __ __ __ __ __ __