Cell Biology Name: **Cell Structures Practice Questions** Period: Answer the guestions below using your brain. Then, check your answers using Chapter 4. 1. According to the cell theory, what makes up all living things? a. only one cell b. one or more cells c. more than one cell d. a system of cells 2. Where is DNA stored in a eukaryotic cell? a. in the cytoplasm b. in the nucleus c. in the ribosome d. in the lysosome \_\_\_ 3. Where do cells come from? a. food b. the air c. other cells d. ribosomes 4. What limits the size of a cell? a. how hard the cell is c. how much the cell eats b. the cell's surface area-to-volume ratio d. the cell's volume-to-surface area ratio 5. What protects the inside of a cell from the outside world? c. cell membrane a. cytoplasm b. nucleus d. endoplasmic reticulum Match the correct description with the correct term. Write the letter in the space provided. \_\_\_\_ 6. the type of cell that has a nucleus a. unicellular 7. an organism made up of many cells b. eukarvotic \_\_\_\_8. a one-celled organism, which may or may not have a nucleus c. multicellular \_\_\_9. the type of cell without a nucleus d. prokaryotic Match the correct description with the correct term. Write the letter in the space provided. \_\_\_\_ 10. a stiff structure around a plant cell membrane; supports the cell a. large central vacuole \_\_\_\_\_ 11. an organelle in plants and algae where photosynthesis happens b. chlorophyll \_\_\_\_\_ 12. an organelle where water is stored; sometimes acts like a lysosome c. chloroplast \_\_\_\_\_ 13. a green pigment that traps the sun's energy d. cell wall Match the correct description with the correct term. Write the letter in the space provided. \_\_\_\_\_ 14. a thin layer that protects a cell from the things around it a. ribosome \_\_\_\_\_ 15. the organelle where a cell releases energy from sugar b. lysosome 16. organelle that digests food, waste, cell parts, and foreign invaders c. mitochondrion \_\_\_\_\_ 17. organelle where amino acids make proteins d. cell membrane

turn over for more questions

## Cell Biology Cell Structures Practice Questions

Name: Period:

Use the terms from the following list to complete the sentences below.

differentiate structure organism function

22. The special job a cell does is its \_\_\_\_\_\_.

23. Anything that can perform life processes by itself is an \_\_\_\_\_\_.

24. The way the parts of an organism are arranged is its \_\_\_\_\_\_.

25. Cells of multicellular organisms do different things because they \_\_\_\_\_\_.