

Name: _____ Date: _____ Period: _____

Chemistry & Cell Processes Review

Test Date: _____

1. What is an atom?

2. What are the parts of an atom? What are their locations and charges?

NAME	LOCATION	CHARGE

3. What is an element? Give 2 examples.

4. What is a compound? Give 2 examples.

5. What are inorganic compounds? Give 2 examples.

6. What are organic compounds? Give 4 examples.

7. What elements make up carbohydrates?
8. What are 2 examples of carbohydrates?
9. What are the functions of carbohydrates?
10. What elements make up lipids?
11. What are 2 examples of lipids?
12. Where are lipids found in the cell?
13. What element is found in proteins that is not found in carbohydrates or lipids?
14. What are 2 examples of proteins?
15. What are the functions of proteins?
16. What is the function of DNA?
17. Where is DNA found in the cell?
18. Define metabolism.
19. What is an autotroph (producer)?
20. What is a heterotroph (consumer)?
21. What is photosynthesis?

22. What energy change occurs in the process of photosynthesis?

23. What is the formula for glucose?

24. What is the formula for photosynthesis?

25. When and where does photosynthesis take place in the cell?

26. What is respiration?

27. What is the formula for respiration?

28. When and where does respiration take place in the cell?

29. What is fermentation?

30. What organisms carry out fermentation?

31. What are the products of fermentation by yeast?

32. What are the openings on the bottom of leaves called?

33. What controls the opening and closing of the opening in question 31?