

Name _____
Date _____ Period _____

Cell Review (Test on Unit 2)

Directions: Use your study guide and notes (cells & organisms, cell energy, mitosis & meiosis, how big should a cell be and specialized cells) to complete the review.

Vocabulary Review: Matching

- _____ 1. when a plant uses the sun's energy to make sugar
_____ 2. when 1 cell copies itself to make 2 identical cell
_____ 3. the part of the nucleus that holds genetic information
_____ 4. when a cell divides to make a sex cell with half the DNA
_____ 5. when a cell breaks down sugar into cell energy (ATP)
_____ 6. when a cell divides into more than one cell
_____ 7. when a cell copies its parts and divides into two cells
_____ 8. an organelle that breaks down food (sugar)
_____ 9. the control center; stores DNA
_____ 11. an organelle that makes sugar in plants

Organisms, Mitosis, Meiosis, and Cell Energy Notes Review: Fill in.

12. A living thing can be made of _____ or many cells.
13. A _____ is the smallest unit of a living thing.
14. _____ is a group of similar cells that work together.
15. An _____ is one living thing.
16. _____ organisms are 1 cell that can survive alone.
17. Different cells will start to do different jobs (called _____).
18. _____ are formed of different tissues working together to do a certain job.
19. Cells of the same type form _____.
20. _____ organisms are made of many cells working together.
21. An _____ is made of many organs working together to do a job.

22. All _____ things are made of one or more cells.
23. The cell is the basic unit of _____ in all living things.
24. All cells come from _____ cells.
25. Mitosis makes cells that are _____ to the first cell.
26. Body cells go through _____.
27. Mitosis makes _____ cells.
28. One celled organisms go through _____.
29. Mitosis is an example of asexual _____.
30. Root cells go through _____.
31. In mitosis, the new cells have the same number of _____ as the original cell.
32. _____ and _____ are examples of cells made through meiosis.
33. Meiosis makes sex cell that will _____ with another sex cell.
34. Meiosis makes _____ cells.
35. This is one part of _____ reproduction.
36. In meiosis, the cell has half the number of _____ compared to the original cell.
37. _____ only happens in plants.
38. _____ is made in the chloroplast of a plant cell.
39. Plants need _____ to do photosynthesis, which we breathe.
40. _____ is made in the mitochondria of a animal and plant cells.
41. _____ happens to make energy for cells.
42. Plants need _____ to do photosynthesis. (Hint: bright)
43. Animals and plants need _____ to do cellular respiration.
44. Name at least one way a cell is specialized _____

45. Why do cells stay small? _____

