

Name _____

Date _____

Snurfle Meiosis

Instructions: Go to biomanbio.com (or Google it) and click on Genetics and Meiosis. Click on Snurfle Meiosis and complete the Meiosis Interactive.

1. What does the cell do during interphase?
2. Uncoiled stringy DNA is called _____. Sketch the cell on the screen.
3. Snurfles, like people get half their dna from _____ and half from _____.
4. Each of your cells has _____ pieces of chromatin, not 2.
5. Different forms of a gene are called _____. The G is for _____ fur and the g is for _____ fur.
6. Like mitosis, before meiosis the DNA must _____. Sketch the cell on the screen now.
7. The whole point of meiosis is to make _____; _____ in males and _____ in females.
8. What are the two divisions of meiosis called?
9. What are the 4 phases of each division of meiosis?
 - a.
 - b.
 - c.
 - d.
10. List the important events of prophase I:
 - a.
 - b.
 - c.

d.

11. Chromosomes that are the same size and have the same genes are known as _____
_____.
12. Each half of a chromosome is a _____.
13. What occurs during metaphase I?
14. Explain what occurs during anaphase I.
15. Telophase I occurs when _____.
16. Cytokinesis is the _____ to make _____.
17. Each new cell is said to be _____ because it has _____ the chromosomes
of the original cell.
18. During prophase II, the chromosomes do not _____.
19. During anaphase II, the _____ split up.
20. In telophase II, _____ are being formed. These cells are called
_____.
21. The following things that happens during telophase II:
- a.
 - b.
 - c.
22. At the end of meiosis II, _____ are produced.
23. Sketch the diagram for meiosis summary.