Mitosis Verses Meiosis

Directions: Write answers next to the question. Draw pictures on the back of this page, in order.

1. Describe the purpose of mitosis
2. How many times does the cell divide during mitosis?
3. What kind of cells are produced at the end of mitosis?
4. What are sister chromatids?
5. Briefly describe what happens during prophase
6. Draw and label picture of what a cell looks like during prophase. Draw on the back of page.
7. Briefly describe what happens during metaphase
8. Draw and label a picture of what a cell looks like during metaphase. Draw on the back of page
9. Briefly describe what happens during anaphase
10. Draw and label a picture of what a cell looks like during anaphase. Draw on the back of page.
11. Briefly describe what happens during telophase
12. Draw and label a picture of what a cell looks like during telophase. Draw on the back of page.
13. Is cytokinesis part of mitosis
14. Briefly describe what happens during cytokinesis
15. Draw a picture of what a cell looks like during cytokinesis. Draw on the back of page.
16. Describe the purpose of meiosis
17. How many times does the cell divide during Meiosis?
18. What kind of cells are produced at the end of meiosis?
19. Briefly describe the difference of prophase I & II.
20. Draw and label a picture of prophase I & II. Draw on the back of page.
21. Briefly describe the difference of metaphase I & II.
22. Draw and label a picture of metaphase I & II. Draw on the back of page.
23. Briefly describe the difference of anaphase I & II.
24. Draw and label a picture of anaphase I & II. Draw on the back of page.
25. Briefly describe the difference of telophase I & II.
26. Draw and label a picture of telophase I & II. Draw on the back of page.
27. What would happen to cell division if a chemical was put in the cell that did not allow for cell

