***Mitosis***

***Moving from poster to poster, or by reading section 8-2 in your book, answer the following questions.***

***Write the question in your interactive notebook and answer it.***

1. Where do all cells come from?
2. Define cell division.
3. Describe a prokaryote cell.
4. Describe the DNA of a prokaryotic cell.
5. Define Binary fission.
6. Define mitosis.
7. What does mitosis produce?
8. Why does mitosis occur?
9. What is asexual reproduction?
10. Define meiosis.
11. What does meiosis produce?
12. Describe the cell cycle.
13. What are the three phases of interphase?
14. What are the two phases of cell division?
15. Define cytokinesis.
16. Describe a cell right after cell division.
17. What occurs during the G1 phase? What occurs during the S phase? What occurs during the G2 phase?
18. What is the G0 phase? Give an example of a type of cell in the GO phase.
19. What is mitosis?
20. What are the four stages of mitosis?
21. During prophase what happens to the DNA?
22. How do the chromatids stay connected?
23. What happens to the nuclear membrane?
24. Where do the centrosomes move?
25. Where do the chromosomes move to during metaphase?
26. What happens to the chromatids during anaphase?
27. Where do the chromosomes move to during anaphase?.
28. What happens to the chromosomes in telophase?
29. What forms around the chromosomes?
30. What is a cleavage furrow and in what type of cell does this occur?
31. What eventually forms from the cell plate?
32. Describe the offspring cells that are created from mitosis.
33. What type of molecule controls the cell cycle?
34. What happens at the G1 checkpoint? What happens at the G2 checkpoint? What happens at the mitosis checkpoint?
35. If a mutation occurs in one of the genes that regulate cell growth and division what could occur?