1. Chromosome number in mitosis and meiosis
   1. How many chromosomes does a cell that went through mitosis have in comparison into a cell that went through meiosis?
2. Which cell division process produces Haploid cells?
3. Which cell division process produces Diploid cells?
4. List the similarities and differences between RNA and DNA?
5. What are the parts of a nucleotide?
6. Compare the number of chromosomes in a somatic and in a gametic cell?
7. What controls the cell cycle?
8. What is the purpose of cells going through mitosis?
9. What is the purpose of cells going through meiosis?
10. Name the scientists and their contribution to the discovery of the structure of the DNA molecule.
11. Explain what occurs during each phase of the cell cycle.
12. Explain what Griffith studied and his results.
13. Be able to replicate DNA using a sample.
14. List the nitrogen bases of DNA.
15. List the nitrogen bases of RNA.
16. Define the following
    1. Homologous
    2. Heterozygous
    3. Homozygous
    4. Alleles
    5. Genes
    6. Chromatid
17. Describe the structure of DNA
    1. Bases and backbone
    2. Be able to recognize the types of bonds between bases and backbone
18. Types of RNA
19. Levels of organization (biology only)
20. Chromosome number in mitosis and meiosis
    1. How many chromosomes does a cell that went through mitosis have in comparison into a cell that went through meiosis?
21. State the relationship between genes, chromosomes and DNA
22. Which process produces Haploid cells?
23. Which process produces Diploid cells?
24. List the similarities and differences between RNA and DNA?
25. What are the parts of a nucleotide?
26. Compare the number of chromosomes in a somatic and in a gametic cell?
27. What controls the cell cycle?
28. What is the purpose of cells going through mitosis?
29. What is the purpose of cells going through meiosis?
30. Name the scientists and their contribution to the discovery of the structure of the DNA molecule.
31. Explain what occurs during each phase of the cell cycle.
32. Explain what Griffith studied and his results.
33. Be able to replicate DNA using a sample.
34. List the nitrogen bases of DNA.
35. List the nitrogen bases of RNA.