Cell Division Worksheet : Mitosis

1. On p 145, draw figure 8-1.
2. Draw a chromosome and label the centromere and chromatid. (146)
3. What are homologous chromosomes? (146)
4. What are sex chromosomes? What are autosomes? (146)
5. What sex chromosomes are found in human males? Human females? (146)
6. What's a karyotype? (147) What is the sex of the individual in the karyotype in fig 8-3?
7. How is a karyotype made? (147)
8. Define diploid. How many sex chromosomes does a diploid cell have? What abbreviation is used for the term diploid? (147)
9. Define haploid. . How many sex chromosomes does a haploid cell have? What abbreviation is used for the term haploid? (147)
10. Using table 8-1, list the haploid and diploid number of chromosomes for each organism in the table. (146)
11. What is binary fission?(148) What is mitosis?
12. What is the cell cycle? Make a pie graph showing time spent in each phase. Include these terms: interphase, G1, S, G2, mitosis, prophase, metaphase anaphase, telophase, cytokinesis.
13. Draw figure 8.6. describe what is occurring in each stage of mitosis.
14. During which phase of the cells cycle are chromosomes copied?(149)
15. Explain the main differences between cytokinesis in animal cells and cytokinesis in plant cells. (151)

Cell Division Worksheet : Mitosis

1. On p 145, draw figure 8-1.
2. Draw a chromosome and label the centromere and chromatid. (146)
3. What are homologous chromosomes? (146)
4. What are sex chromosomes? What are autosomes? (146)
5. What sex chromosomes are found in human males? Human females? (146)
6. What's a karyotype? (147) What is the sex of the individual in the karyotype in fig 8-3?
7. How is a karyotype made? (147)
8. Define diploid. How many sex chromosomes does a diploid cell have? What abbreviation is used for the term diploid? (147)
9. Define haploid. . How many sex chromosomes does a haploid cell have? What abbreviation is used for the term haploid? (147)
10. Using table 8-1, list the haploid and diploid number of chromosomes for each organism in the table. (146)
11. What is binary fission?(148) What is mitosis?
12. What is the cell cycle? Make a pie graph showing time spent in each phase. Include these terms: interphase, G1, S, G2, mitosis, prophase, metaphase anaphase, Telophase, cytokinesis.
13. Draw figure 8.6. describe what is occurring in each stage of mitosis.
14. During which phase of the cells cycle are chromosomes copied?(149)
15. Explain the main differences between cytokinesis in animal cells and cytokinesis in plant cells. (151)