

Cellular Reproduction

Answers

Prokaryotic Reproduction

1. Asexually, 1, circular
2. Plasmid, antibiotic resistance
3. Prokaryotic cell division
 - a. DNA replication
 - b. Binary fission
4. Origin, hydrogen
5. DNA polymerase
6. Binary fission
7. Gain of new DNA
 - a. Conjugation
 - b. Transduction
 - c. Transformation

Eukaryotic Cell Cycle

8. Mitosis
9. Cell cycle phases
 - a. G1 phase
 - b. S phase
 - c. G2 phase
 - d. Mitosis
10. 46, 23
11. Homologous
12. Sister
13. Karyotype
14. XY, XX

Mitosis

15. Somatic
16. Germ
17. Gametes
18. Diploid
19. Haploid
20. Zygote
21. 5 stages of mitosis
 - a. Prophase
 - b. Metaphase, kinetochore
 - c. Anaphase, sister
 - d. Telophase
 - e. Cytokinesis, actin, cleavage furrow

22. Label the diagrams
- a. Metaphase
 - b. Telophase
 - c. Anaphase
 - d. Cytokinesis
 - e. Prophase
 - f. Interphase