Name: _____ Date: _____

Ch 8 - Cell Reproduction Vocabulary

1. structure in the nucleus of a eukaryotic cell that are made up of DNA and protein

2. chromatid, one of the two strands of a chromosome

3. less tightly coiled DNA

4. any chromosome that is not a sex chromosome

5. a micrograph array of chromosomes arranged in homologous pairs

6. having only one set of unpaired chromosomes

7. contains two haploid sets of chromosomes

8. the identical copy formed by the DNA replication of a chromosome

9. results from the separation of sister chromatids during cell division

10. having the same structure and pair during meiosis

11. region that holds the two sister chromatids together

12. type of cell division that results in two identical daughter cells

13. any cell of a living organism other than the reproductive cells

14. time period where the cell grows, copies DNA, and synthesizes proteins

15. first stage of cell division; chromosomes becomes visible as paired chromatids, nuclear envelope disappears

16. second stage of cell division; chromosomes become attached to the spindle fibers

17. third stage of cell division; chromosomes move away from one another to opposite poles

18. final stage of cell division; nuclear membrane forms around each set of new chromosomes

19. division of the cytoplasm; divides into two daughter cells

20. protein structures that pull apart the sister chromatids during cell division

A. autosome

B. spermatogenesis

C. chromatin

D. homologous chromosomes

E. haploid

F. centromere

G. polar body

H. interphase

I. cytokinesis

J. anaphase

K. sister chromatids

L. spindle fibers

M. chromatid

N. chromosome

O. oogenesis

P. metaphase

Q. somatic cell

R. gamete

S. karyotype

T. crossing over

21. cell division that results in the production of sex cells (gametes)

22. the process by which male gametes form; spermatozoa (sperm)

23. the process by which female gametes form; ovum (eggs)

24. small cells which bud off from an oocyte and do not develop into ova

25. a mature haploid male or female germ cell; sex cell

26. the exchange of genes between homologous chromosomes

U. telophase

V. mitosis

W. diploid

X. daughter chromosomes

Y. prophase

Z. meiosis