

Name answer key

Date _____

MITOSIS AND MEIOSIS

PRACTICE

1. Describe 2 parts of meiosis that are similar to mitosis!

a. division of chromosomes

a. start with diploid cells

2. Identify whether each process below occurs during mitosis, meiosis, or both!

a. Sister chromatids separate meiosis

b. Haploid cells are formed meiosis

c. Cell division occurs once mitosis

d. Homologous chromosomes pair mitosis

e. 4 haploid cells are the final result meiosis

f. Crossing over occurs meiosis

g. Cell division occurs twice meiosis

h. Replicated chromosomes line up in the middle of the cell both

i. 2 diploid cells are the final result mitosis

3. Does the parent cell in mitosis start off as diploid or haploid? diploid

4. Are the resulting cells at the end of mitosis diploid or haploid? diploid

5. Does the parent cell in the meiosis start off as diploid or haploid? diploid

6. Are the resulting cells at the end of meiosis diploid or haploid? haploid

7. How does the number of chromosomes in a sex cell compare with the number of chromosomes in the parent cell? half