



HONORS BIOLOGY CHAPTER 8 STUDY GUIDE

Name _____ Period _____

READ pp. 126-7 Cell Division

On the blanks write AR for asexual reproduction and SR for sexual reproduction:

1. _____ requires two parents
 2. _____ the offspring are identical to the parents
 3. _____ parents are gametes
 4. _____ have a single parent
 5. _____ growing a plant from a plant clipping
 6. _____ growing new skin cells
 7. _____ forming a zygote
8. What is the difference between **mitosis** and **binary fission**?

9. How can the two daughter cells be identical if the cells split into two cells?

READ p. 128 Eukaryotes and Prokaryotes

1. Fill in the chart comparing eukaryotic and prokaryotic cells.

	PROKARYOTIC CELLS	EUKARYOTIC CELLS
Relative size		
Typical cell number of genes		
Relative number of chromosomes		

2. Match the chromosomal terms:

- | | |
|---|----------------------|
| a. _____ structure joining two sister chromatids | A. sister chromatids |
| b. _____ loose DNA + protein | B. chromosome |
| c. _____ two copies of identical of DNA molecules + protein | C. centromere |
| d. _____ single strand of DNA and its protein | D. chromatin |
| E. _____ identical offspring after cell division | E. daughter cell |

Biology Chapter 8 Study Guide

Durand

A decorative graphic consisting of a light blue horizontal bar with a rounded right end, and a red circular shape partially visible behind it.

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