Master

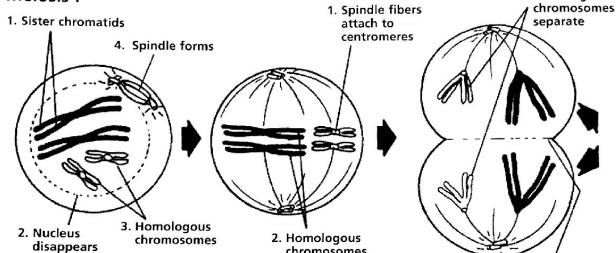
Meiosis

Basic Concepts

1. Homologous

Use with Chapter 10, Section 10.2

Meiosis I

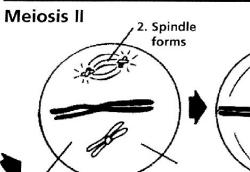


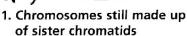
chromosomes line up in pairs

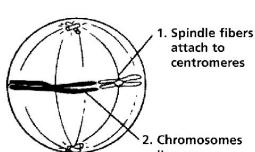
Prophase I

Metaphase I

Anaphase I-Telophase I

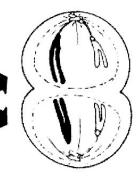






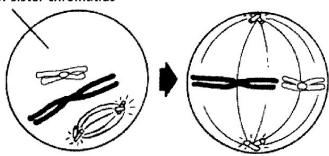
attach to centromeres



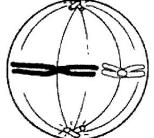


2. Cell pinches in two

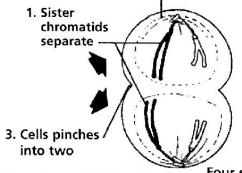
2. Nucleus reforms



Prophase II



Metaphase II



Anaphase II-Telophase II

Four sex cells

UNIT 4

CHAPTER 10 Mendel and Meiosis

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Worksheet 15 Meiosis

Use with Chapter 10, Section 10.2

I. Ho	w does the number of chromosomes in a sex cell compare with that in the parent cell?
of o	he number of chromosomes in the skin cells of an organism is 28, what is the number chromosomes in the organism's egg cells?
. Ho	w many cells are produced at the end of meiosis II?
In v	which phase of meiosis does crossing over occur? What results from this process?
	scribe the activity of chromosomes in metaphase I of meiosis. How does this activity fer from the activity of chromosomes in metaphase of mitosis?
· <u></u>	
In v	which phase of meiosis II does the cytoplasm divide?
	lain why mitosis could not provide for the sexual reproduction of offspring that tain the same number of chromosomes as the parents.