

Name: _____ Period: _____ Date: _____

Stages of Meiosis Activity

Standards: 2a, 2b, 2c

Objectives: Students will be able to summarize the events that occur during meiosis.

Directions: Cut and paste the pictures and descriptions to the correct Meiosis Stage.

Meiosis I			
Prophase I - Centrioles = orange - Spindle fibers = yellow - Nuclear membrane = dotted black line - Crossing over sites = red dot	Metaphase I - Centrioles = orange - Spindle fibers = yellow - In pencil, lightly circle the 3 homologous pairs.	Anaphase I - Centrioles = orange - Spindle fibers = yellow	Telophase I & cytokinesis - Centrioles = orange - Nuclear membrane = solid black line
Description:	Description:	Description:	Description:
Meiosis II			
Prophase II - Centrioles = orange - Spindle fibers = yellow - Nuclear membrane = dotted black line	Metaphase II - Centrioles = orange - Spindle fibers = yellow - In pencil, lightly circle the 6 "sister" chromatids	Anaphase II - Centrioles = orange - Spindle fibers = yellow	Telophase II & cytokinesis - Centrioles = orange - Nuclear membrane = solid black line
Description:	Description:	Description:	Description:

A. Cut and paste the description to the correct stage of Meiosis I.

• Pairs of homologous chromosomes move to the equator (center) of the cell.	• Chromosomes gather at the poles of the cell • Cytoplasm divides, creating 2 cells.	• Chromosomes become visible. • Nuclear envelope breaks down. • Crossing over occurs.	• Homologous chromosome move to opposite poles of the cell.
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B. Color, cut, and paste the pictures to the correct stage of Meiosis I.

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C. Cut and paste the description to the correct stage of Meiosis II.

• Chromosomes line up at the equator.	• A nuclear envelope forms around each set of chromosomes. • Cytoplasm divides, creating 4 cells.	• Centromere divides. • Chromatids move to opposite poles of the cell.	• A new spindle forms around the chromosome.
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D. Color, cut, and paste the pictures to the correct stage of Meiosis II.

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