

Meiosis

Student's Activities

MRS DHIKA SUCI ISLAMY
2ND MEETING
SMAS PRIBADI DEPOK





Lesson For The Day



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Basic competency:

Analyze the process of meiosis as the causes of genetic variation in organism

Learning Indicator :

- 3.4.6 Apply the concept of homologous chromosome in meiosis process (C3)
- 3.4.7 Analyze the behavior of chromosomes in plant and animal cells during meiosis and the associated behavior of the nuclear envelope, the cell surface membrane and the spindle.(C4)
- 3.4.8 Summarize the process of meiosis (C5)

GROUP OBSERVATION & DISCUSSION



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 **LIVEWORKSHEETS**

OBSERVATION!



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Instruction!

1. Within the group, for 20 minutes, please explore on the internet for the questions below !
2. Put your answer through the link

<https://padlet.com/dhika/3cgggnhotqdnn4pr>

1. Please find on the internet the mechanism to reduce the number of chromosomes !
2. Arrange the mechanism to reduce the number of chromosomes !
3. Make relation between the mechanism and variation in organism!

 **LIVEWORKSHEETS**

An illustration of a woman with dark hair, wearing an orange shirt, shouting into a large megaphone. She is standing next to a dark green chalkboard. The chalkboard has the text "Let's Share your idea !" written on it in white. Two yellow paper clips are attached to the top left corner of the chalkboard. There are some green scribbles in the background. A blue circle with the number 17 is on the left side.

**Let's Share
your idea !**

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What happen in Prophase 1 ?

Please choose 3 correct statements, and drag it to the box !

Chromosomes move to the equator

Crossing over happened

Homologous chromosomes paired

Chromosomes didn't condense

Chromosomes form tetrad

CHECKPOINT !

Please define the true (T) or false statement by put the T / F inside of the box

- Meiosis I result in **2** daughter cell haploid **(T/F)** ☐
- The chromosomes are unidentical **(T/F)** ☐
- Crossing over in prophase **1**, causes genetic variation **(T/F)** ☐



- Meiosis II result in **2** daughter cell haploid **(T/F)** ☐
- The chromosomes in metaphase II line up as a pair of chromosomes **(T/F)** ☐
- Cytokinesis mean the separation of cytoplasm ☐
- Crossing over also happen in prophase II meiosis ☐

Please define the true (T) or false statement by put the T / F inside of the box

