

# 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**



**Let's Share  
your idea !**



## 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

