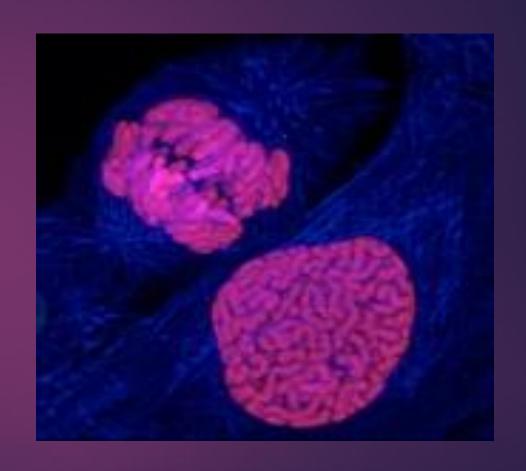
# MITOSIS

HOW THE CELL SPLITS



### Learning outcomes

- Students will learn how the cell splits
- Students will practice ordering and sequencing skills
- ► They will learn content language
- ► They will use the correct scaffolding language

### ORIENTATION

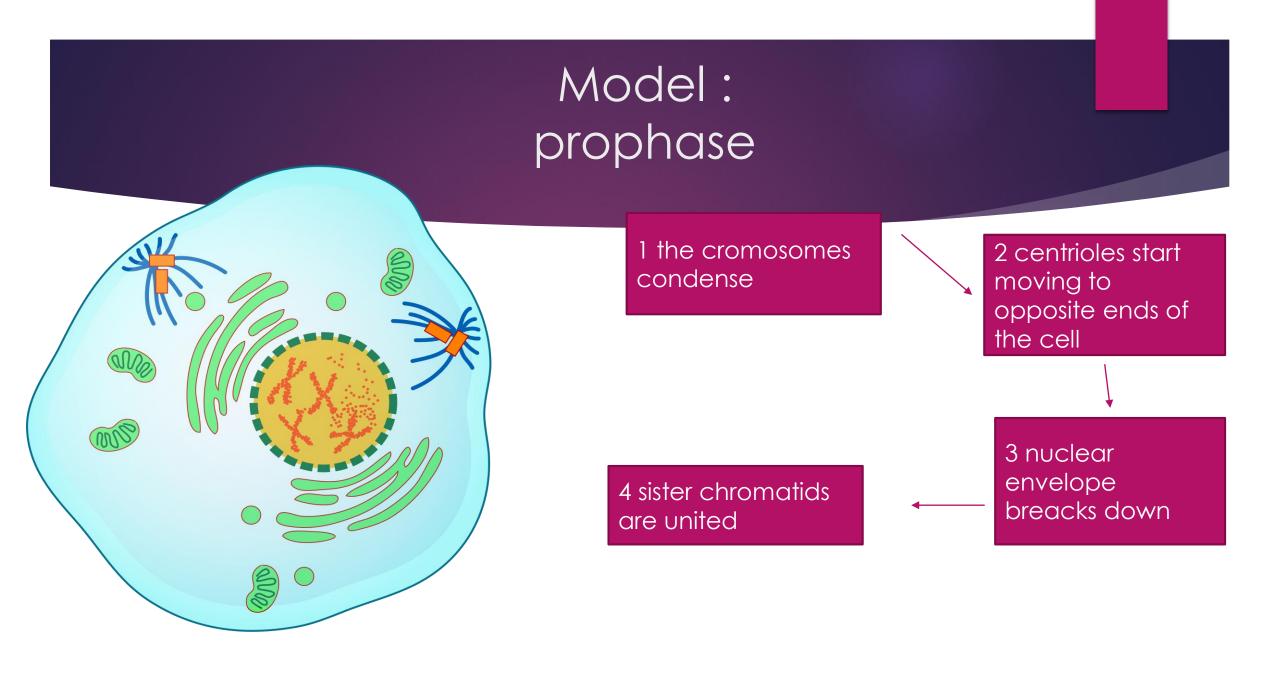
BRAINSTORMING: How is it possible?





# Content language for the model

- Cellular cycle
- Nuclear membrane or envelope
- Cellular division
- Centrioles
- Chromosomes
- Centromeres
- Sister Chromatid



### Tasks for learners

#### Working in group of four people:

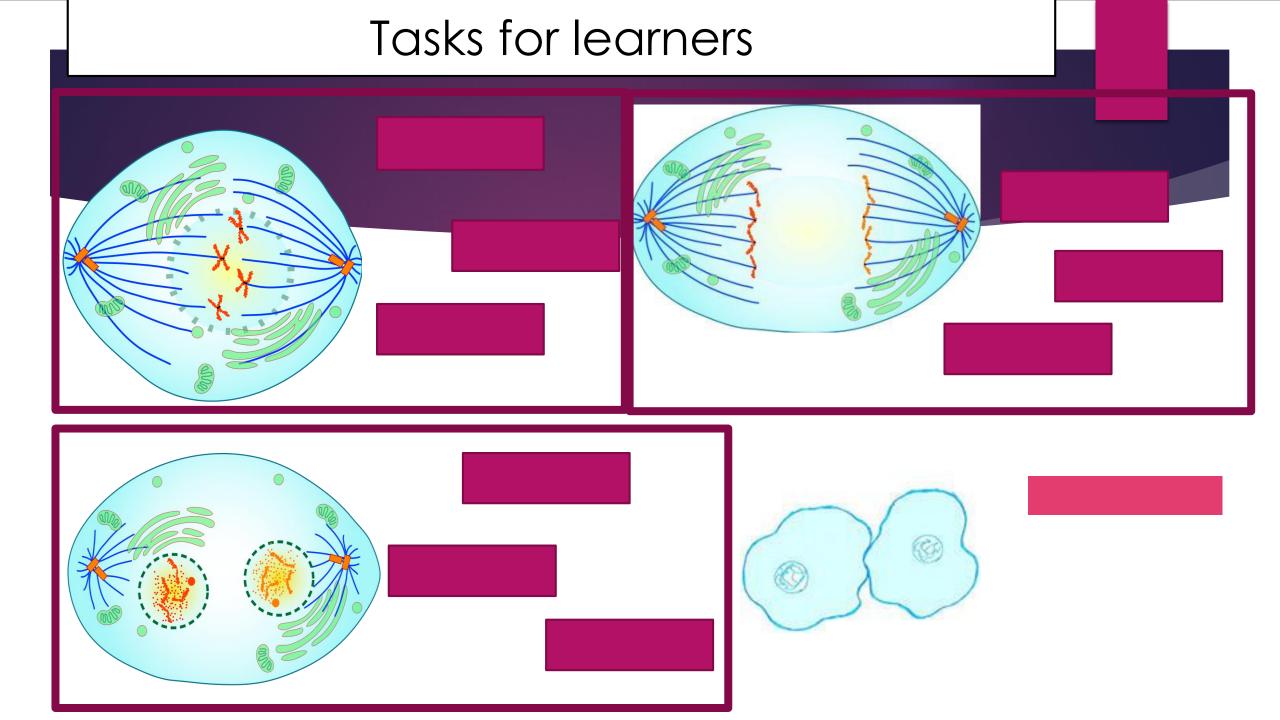
For each of the following stages, to complete the picture after watching the video

#### https://www.youtube.com/watch?v=BFDSIHv3SZU

Report to the rest of the class

#### Stages:

- Metaphase
- Anaphase
- Telophase
- CytoKinesis



### Task support

- https://www.youtube.com/watch?v=BFDSIHv3SZU
- https://www.youtube.com/watch?v=W597cHVZQ2E

https://www.khanacademy.org/science/biology/cellular-molecular-

biology/mitosis/v/mitosis



## Content language for learners tasks

- Cytoplasm,
- sister cromatids,
- poles of the cell,
- nuclear envelope,
- centromeres,
- kinetochores.



## Scaffolding language

- ▶ To align;
- to break;
- phase;
- poles of the cell;
- two copies of ...;
- it is preceded by;
- ▶ to produce

### Assessment criteria

- Clarity of the presentation
- Accuracy of the presentation
- Fluency of the presentation
- Accuracy in pictures labelling

anna.gucci57@gmail.com
castrogiovannifranco@tiscali.it

annasammy@alice.it