



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

### Match each of the following terms to its definition:

Interphase

Mitosis

Chromatids

Nuclear Membrane (envelope)

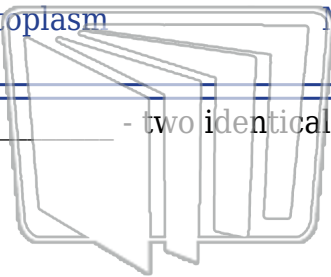
Cytoplasm

Metaphase

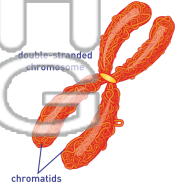
Cytokinesis

Chromosome

1. \_\_\_\_\_ - two identical copies of a chromosome



# NEW PATH LEARNING



2. \_\_\_\_\_ - a structure of coiled DNA and proteins that forms in the cell's nucleus prior to mitosis

3. \_\_\_\_\_  
two identical



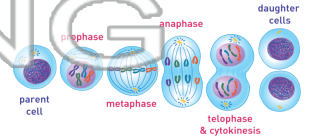
4. \_\_\_\_\_  
organelle

5. \_\_\_\_\_  
division of  
chromosomes

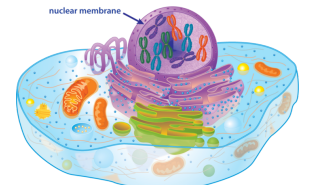
**PREVIEW**  
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6. \_\_\_\_\_ - a phase of mitosis following prophase during which the double-stranded chromosomes line up along the center of the cell and the spindle fibers attach to each centromere

7. \_\_\_\_\_ - a duplication process of cells responsible for growth and development, as well as replacing worn out cells throughout our bodies; the production of two genetically identical "daughter cells" from a single "parent" cell



8. \_\_\_\_\_ - a membrane that encloses the cell's nucleus; separates the chromosomes from the rest of the cell





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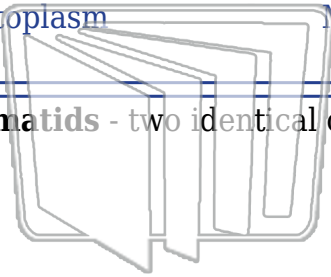
Cytoplasm

Metaphase

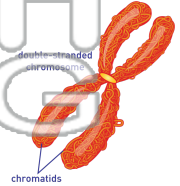
Cytokinesis

Chromosome

1. **Chromatids** - two identical copies of a chromosome



NEW PATH LEARNING



2. **Chromosome** - a structure of coiled DNA and proteins that forms in the cell's nucleus prior to mitosis

3. **Cytokinesis** - two identical daughter cells



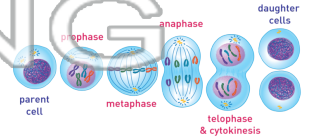
4. **Cytoplasm** - the fluid-filled space inside the cell containing organelles

5. **Interphase** - the phase of the cell cycle where the cell grows and chromosomes are not yet visible

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6. **Metaphase** - a phase of mitosis following prophase during which the double-stranded chromosomes line up along the center of the cell and the spindle fibers attach to each centromere

7. **Mitosis** - a duplication process of cells responsible for growth and development, as well as replacing worn out cells throughout our bodies; the production of two genetically identical "daughter cells" from a single "parent" cell



8. **Nuclear Membrane (envelope)** - a membrane that encloses the cell's nucleus; separates the chromosomes from the rest of the cell

