Mitosis is a process of cell ______________ in which a __________ cell divides to form two __________ cells.

**INTERPHASE**
- The cell ________ and ____________.
- ______________ (DNA) are ________.

**PROPHASE**
- Chromosomes are ________.
- Nuclear ______________ disappears.
- Nucleolus ________.

**METAPHASE**
- Spindle ________ attach to chromosomes
- ___________ line up across the ______________ or middle of the cell.

**ANAPHASE**
- Chromosomes ______________ into two sets
- Each ________ or set is pulled away to ______________ sides of the cell.

**TELOPHASE**
- ________ nuclear membranes begin to form.
- ________ begin to ________

**CYTOKINESIS**
- ___________ divides.
- ________ daughter cells with same number of

**You try:**
In what stage of the cell cycle do eukaryotic cells spend most of their life?
Mitosis is a process of cell division in which a single cell divides to form two identical cells.

INTERPHASE
- The cell grows and develops.
- Chromosomes (DNA) are copied.

PROPHASE
- Chromosomes are visible.
- Nuclear membrane disappears.
- Nucleolus disappears.

METAPHASE
- Spindle fibers attach to chromosomes.
- Chromosomes line up across the equator or middle of the cell.

ANAPHASE
- Chromosomes divide into two sets.
- Each half or set is pulled away to opposite sides of the cell.

TELOPHASE
- Two nuclear membranes begin to form.
- Cells begin to separate.

CYTOKINESIS
- Cytoplasm divides.
- Two daughter cells with same number of chromosomes

You try:
In what stage of the cell cycle do eukaryotic cells spend most of their life? Interphase
Mitosis &
The Cell Cycle

In what stage of the cell cycle do eukaryotic cells spend most of their life?

You try:

back to interphase!
Mitosis is a process of cell division in which a single cell divides to form two identical cells.

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**ANAPHASE**
- Chromosomes divide into two sets.
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**TELOPHASE**
- Two nuclear membranes begin to form.
- **Cytoplasm** divides.
- Two daughter cells with same number of chromosomes.

**CYTOKINESIS**

You try:
In what stage of the cell cycle do eukaryotic cells spend most of their life? Interphase! The cell spends most of its time hanging out doing cell type things.

back to interphase!