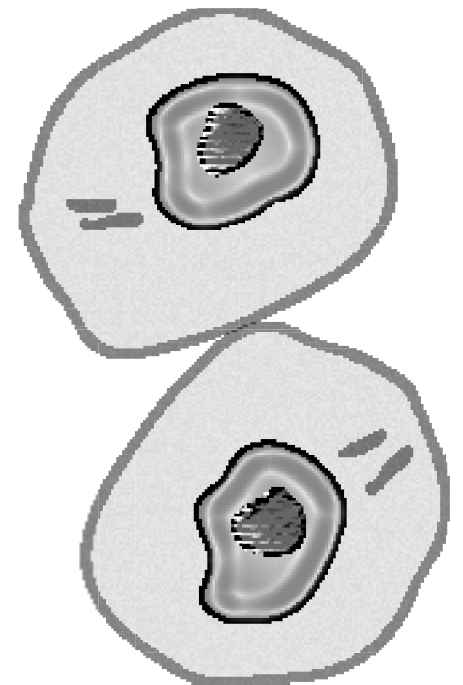
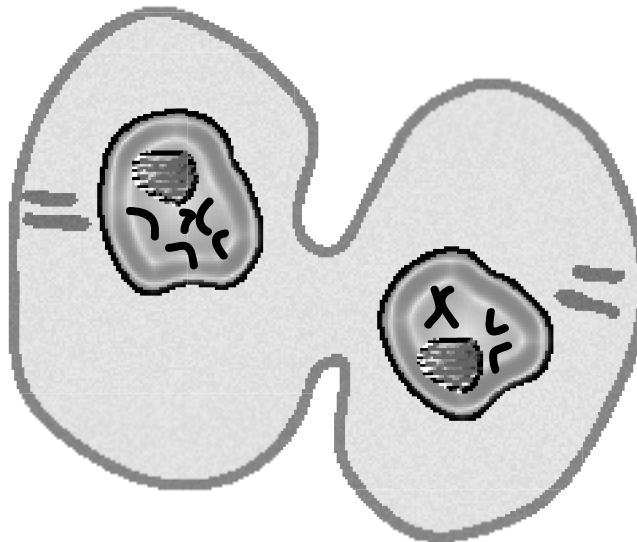
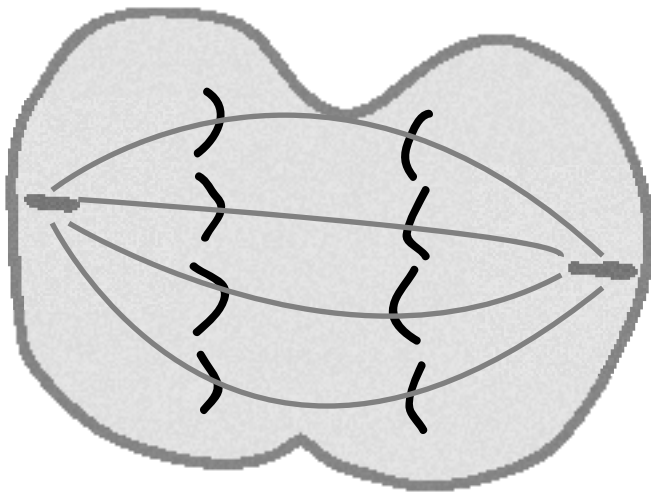
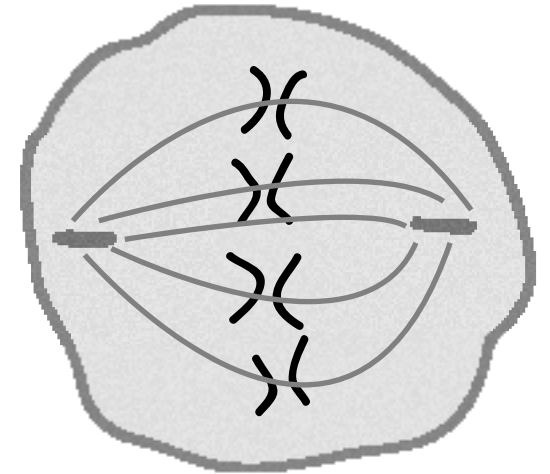
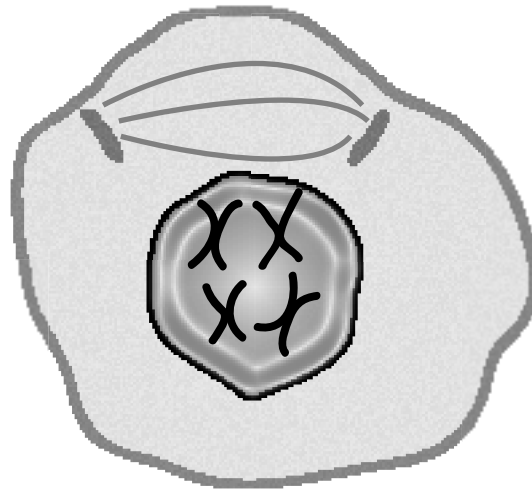
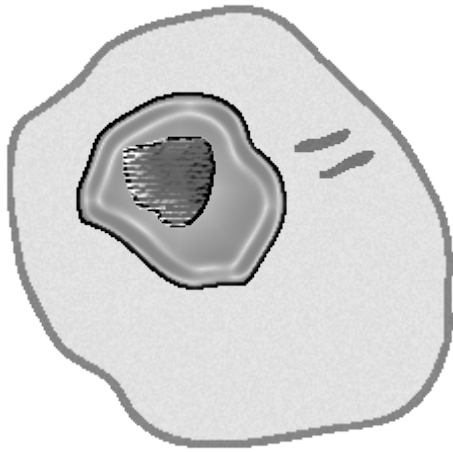


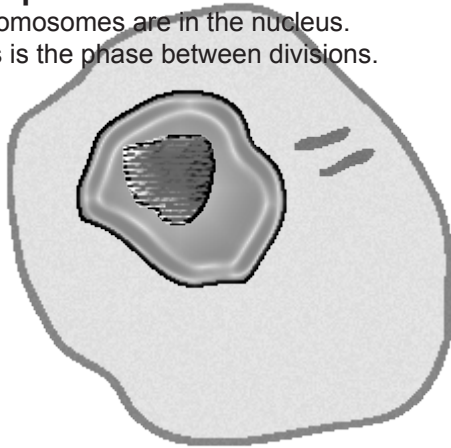
Compare the phases of mitosis and list them in the correct order.



Compare the phases of mitosis and list them in the correct order.

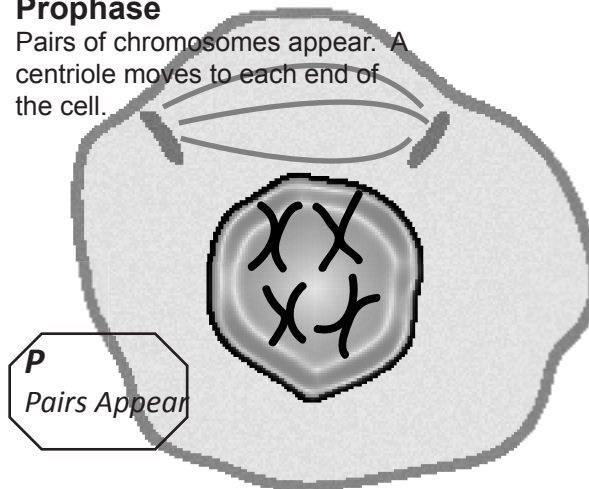
Interphase

Chromosomes are in the nucleus.
This is the phase between divisions.



Prophase

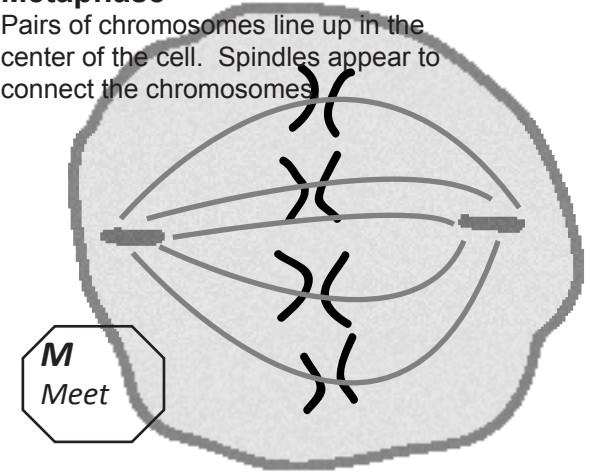
Pairs of chromosomes appear. A centriole moves to each end of the cell.



P
Pairs Appear

Metaphase

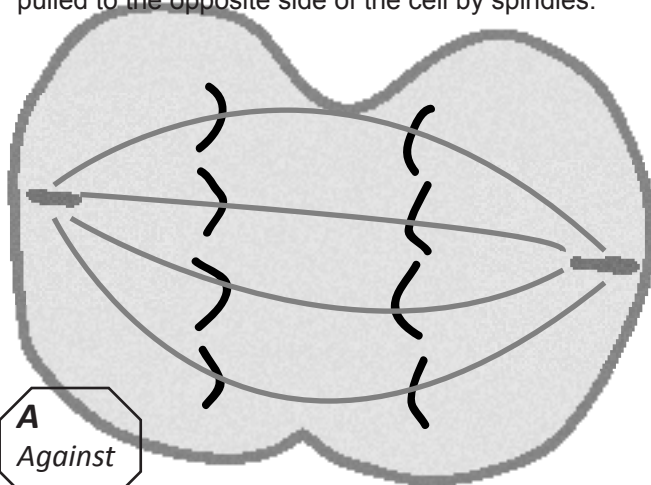
Pairs of chromosomes line up in the center of the cell. Spindles appear to connect the chromosomes.



M
Meet

Anaphase

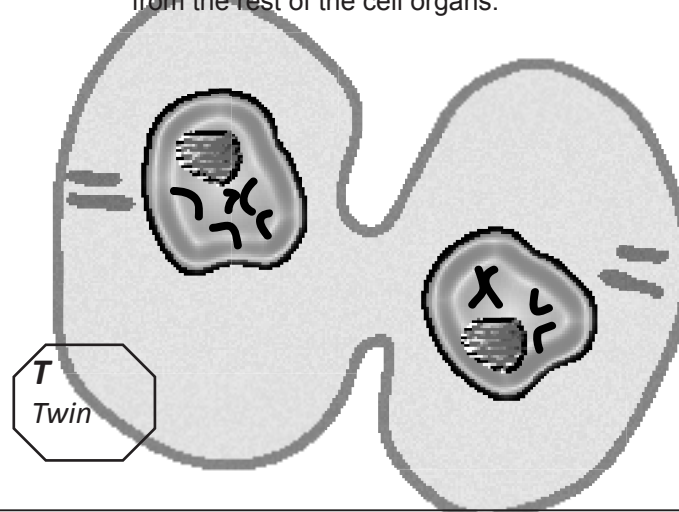
The chromosomes split apart with each half pulled to the opposite side of the cell by spindles.



A
Against

Telophase

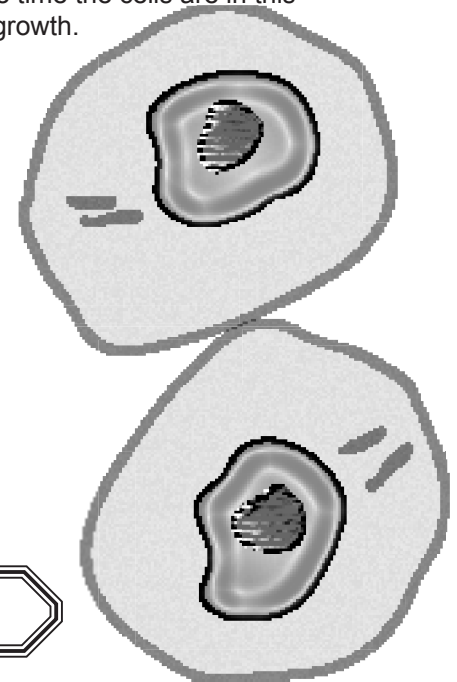
New nuclear membranes form inside each new cell separating the nucleus from the rest of the cell organs.



T
Twin

Interphase

90% of the time the cells are in this phase of growth.



Onion cells are the easiest to observe mitosis. Premade slides may be purchased or viewed on line. Print additional copies of the student MatchCard, cut up the diagrams into flashcards, and play Memory.

Zoology 14 Information Pieces

<p>Interphase Z-13</p>
<p>Chromosomes are in the nucleus. This is the phase between cell divisions. Z-13</p>
<p>Prophase Z-13</p>
<p>Pairs of chromosomes appear. A centriole moves to each end of the cell. Z-13</p>
<p>Metaphase Z-13</p>
<p>Pairs of chromosomes line up in the center of the cell. Spindles appear to connect the chromosomes. Z-13</p>
<p>Anaphase The chromosomes split apart with each half pulled to the opposite side of the cell by spindles. Z-13</p>
<p>Telophase Z-13</p>
<p>New nuclear membranes form inside each new cell separating the nucleus from the rest of the cell organs. Z-13</p>
<p>Interphase Z-13</p>
<p>90% of the time the cells are in this phase of growth. Z-13</p>

To Make Your **MatchCard** more durable:

1. Put the student MatchCard and instructor MatchCard back to back in a clear plastic page protector.
2. Laminate the information pieces. Or you can make them sturdier by covering the paper with transparent tape prior to cutting the pieces out.
3. For more ideas on how to use the MatchCards, and for keeping a notebook for review, see the Instructor's Guide.