

Name \_\_\_\_\_

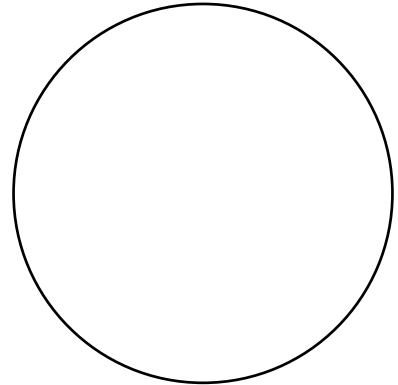
## Meiotic Cell Division (Meiosis)

Draw each phase in the cell membranes provided and answer the questions, using page 276-7 in your book. **NOTE:** You are not drawing all of the stages from the book.

### Prophase I:

What happens to the chromosomes during this stage?

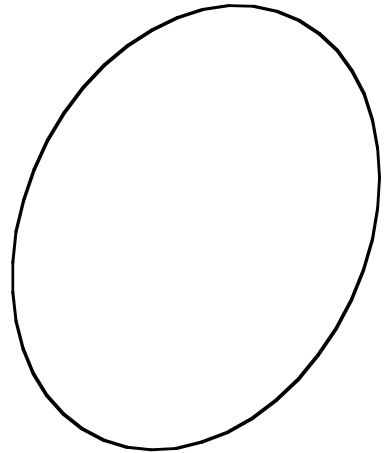
How many chromosomes are in the cell in the drawing?



### Anaphase I:

How do the chromosomes move during this stage?

How many chromosomes move to each pole?

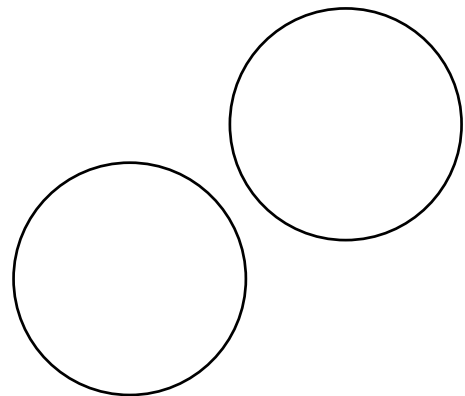


### Prophase II:

How many cells are there now?

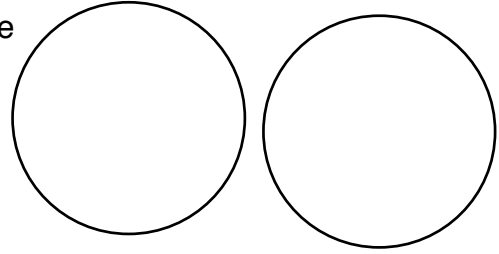
How many chromosomes are in each cell?

How do these cells compare to the original cell?



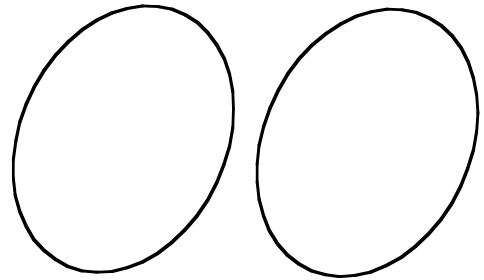
**Metaphase II:**

How does the chromosome arrangement in this stage look different from the arrangement in Metaphase I? (Hint: Don't just describe number of chromosomes.)



**Anaphase II:**

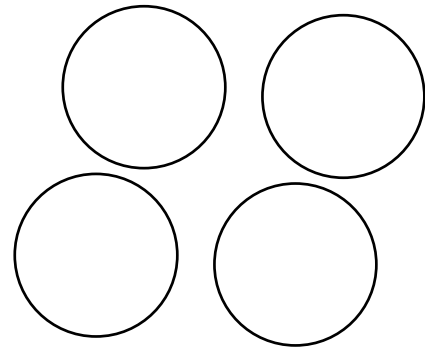
What happens to the chromosomes?



How many chromosomes move to each pole?

**Telophase II:**

How many cells are there now?



How many chromosomes are in each cell?

How do these cells compare to the original cell?

**End result of meiotic cell division:**

Compare the new cells (daughter cells) to each other:

Compare the daughter cells to the original (parent) cell: