Mitosis and Meiosis *Active*Folder
Activity cards

Cell division activity cards

Body cells

Sex cells

1/2 the number of chromosomes as original cell

same number of chromosomes as original cell

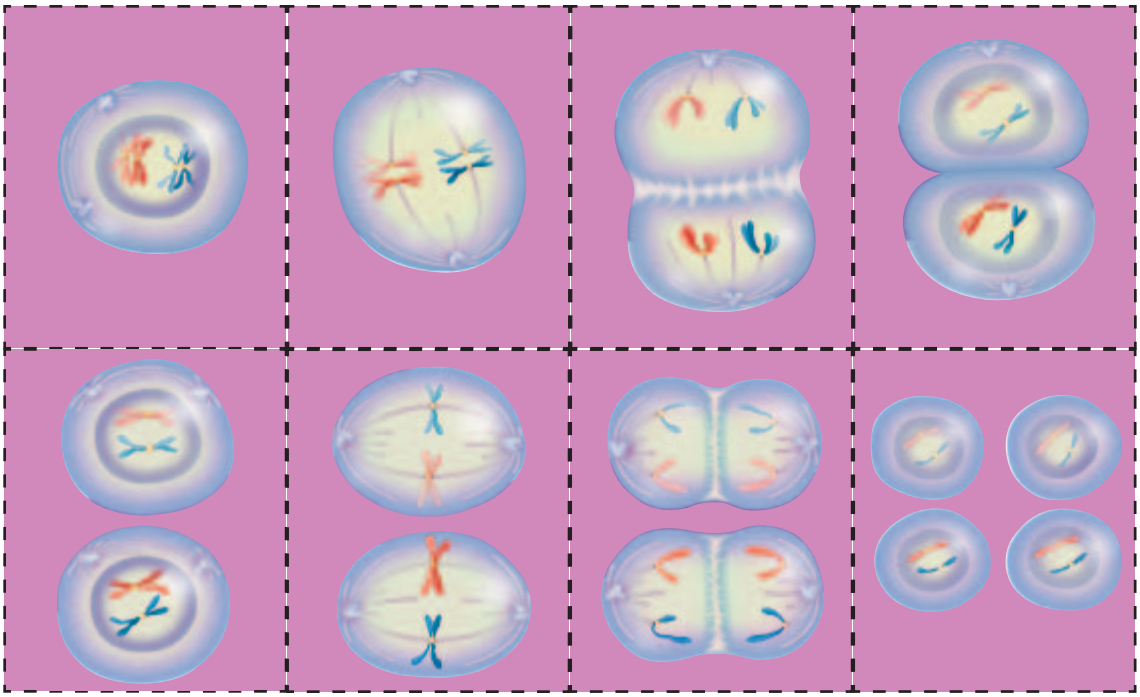
2 cells produced

4 cells produced

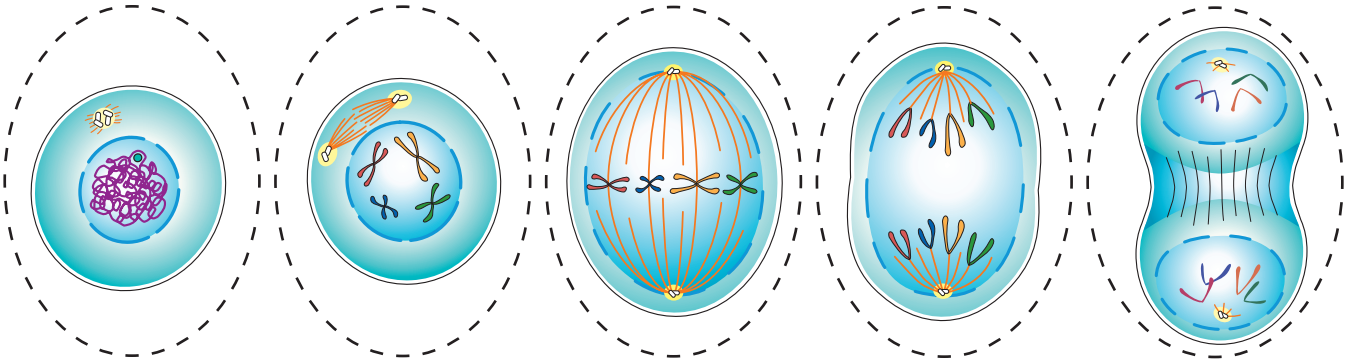
End product is diploid

End product is haploid

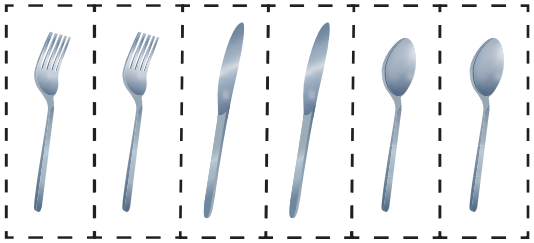
Meiosis activity cards



Phases of mitosis activity cards



Forks, knives, and spoons activity cards



Telophase I
Cytoplasm divides, and two new cells form.

Anaphase I
Centromere of each chromatid pair attaches to one spindle fiber and begins to move to opposite ends of the cell.

Metaphase I
Pairs of duplicated chromosomes line up in the center of the cell.

Prophase I
Duplicate chormosomes are visible under the microscope.

Telophase II
Spindle fibers disappear, and a nuclear membrane forms around the chromosomes at each end of the cell.

Anaphase II
Centromere divides and the chromatids separate and move to opposite ends of the cell.

Metaphase II
Duplicated chromosomes move to the center of the cell. Each new centromere attaches to two spindle fibers instead of one.

Prophase II
Duplicated chromosomes and spindle fibers reappear in each new cell.

Telophase
In the final step, the cytoplasm is beginning to separate and the remainder of the cell divides into two identical cells.

Anaphase
The chromosomes separate, individual chromosomes are pulled to opposite ends of the cell.

Metaphase
Duplicated chromatid pairs line up along the middle of the cell.

Prophase
The chromatid pairs are now visible and the spindle is beginning to form.

Interphase
Chromosomes in the nucleus are duplicated.