

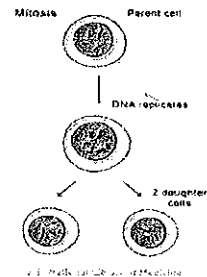
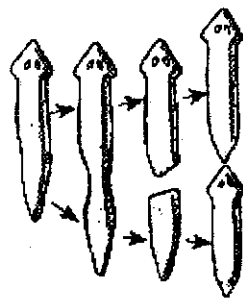
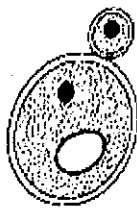
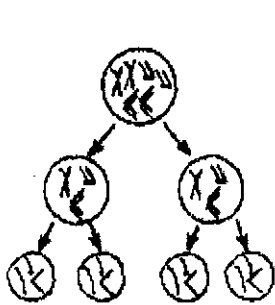
9.3 Meiosis and Sexual Reproduction Practice

Meiosis and Sexual Reproduction: Practice

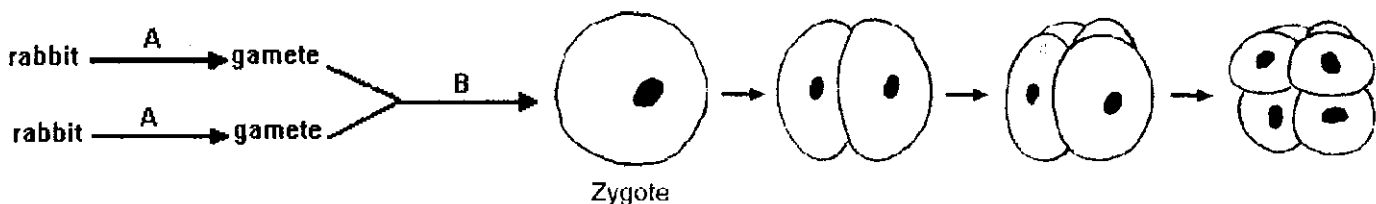
Which of the following types of cells would experience mitosis, meiosis, or both? Write ME for meiosis, MI for mitosis.

- | | |
|--|---------------------|
| ___ A pollen cell of a plant | ___ Kidney cells |
| ___ A leaf cell of a plant | ___ Liver cells |
| ___ A root cell of a plant | ___ Testes cells |
| ___ The cells in the petal of a flower | ___ Ovary cells |
| ___ Stem cells | ___ Tree bark cells |

- The diploid cells of a mouse contains 12 chromosomes. How many chromosomes will be found in haploid cells of the mouse?
- The diploid cells of a bird contains 16 chromosomes. How many chromosomes will be found in sperm cells?
- A duck's haploid cells contain 14 chromosomes. How many chromosomes will be found in the diploid cells of the duck?
- A tree's leaf cell contains 20 chromosomes. How many chromosomes will be found in pollen from the tree?
- The diploid number of a chicken's cells is 14. If a cell undergoes meiosis, what is the resulting chromosome number?
- The tongue cell of an alligator has 8 chromosomes. If the tongue cell undergoes mitosis, how many chromosomes will be found in each of the two daughter cells?
- What is the number of chromosomes found in a human skin cell? A human sperm cell?
- Identify the following pictures as either sexual or asexual reproduction



Use the following diagram to answer the questions.



- What type of cell division does A represent?