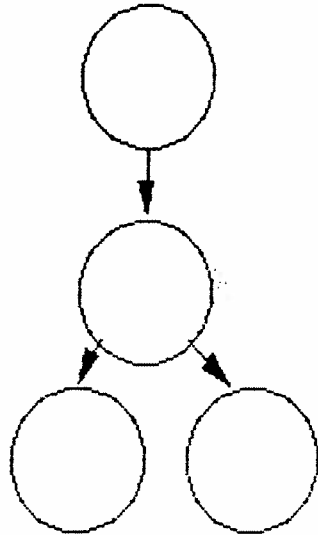


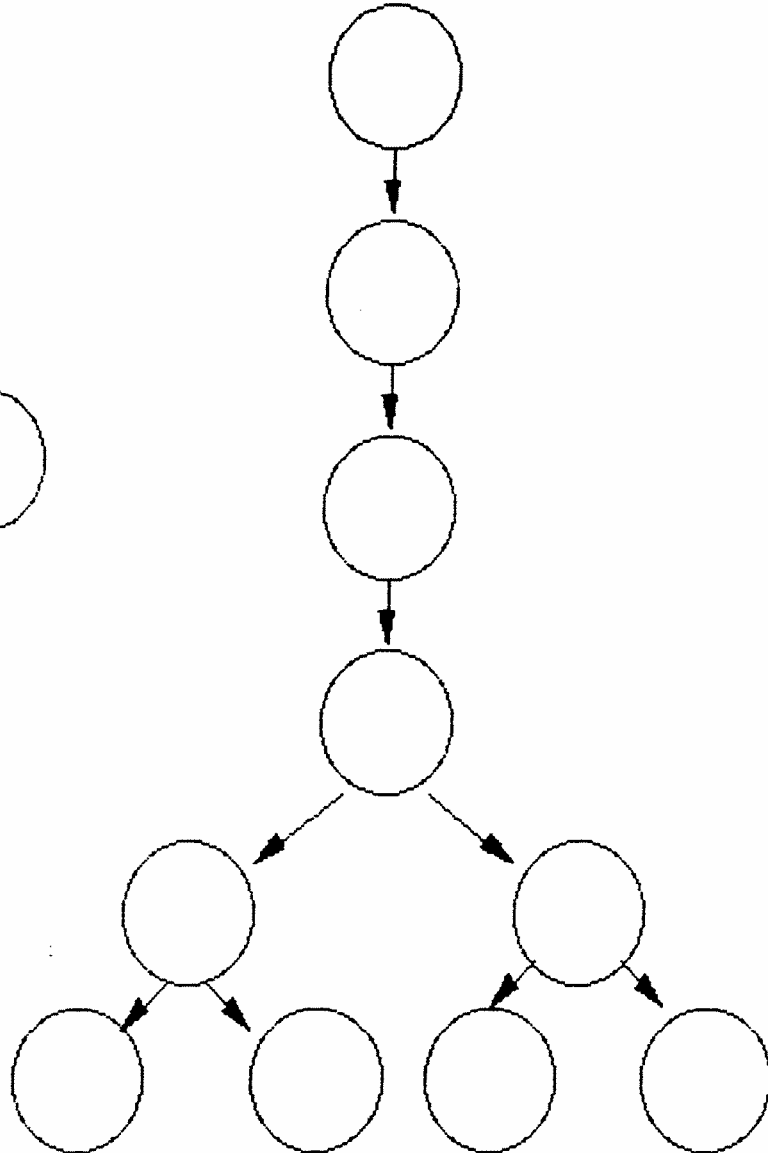


Objective _____
Research _____

Mitosis



Meiosis

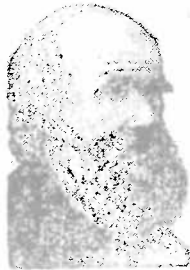


Mitosis/Meiosis

	Mitosis	Meiosis
Type of cell happens in		
What is its purpose?	1 _____ 2 _____ _____	1 _____ _____
What are the results?	1 _____ _____ _____ _____	1 _____ _____ _____
Number of chromosome human	_____	_____
Number of cell divisions	_____	_____

Hypothesis

1. **Mitosis/meiosis** will result in the same number of chromosomes.
2. **Mitosis/meiosis** will result in a different number of chromosomes.
3. **Mitosis/meiosis** will take place in body cells.
4. **Mitosis/meiosis** will take place in sex cells.
5. Mitosis has **one/two** cell divisions.
6. Meiosis has **one/two** cell divisions.
7. **Mitosis/meiosis** produces cells for growth and repair of the body.
8. **Mitosis/meiosis** results in 23 chromosomes.
9. **Mitosis/meiosis** results in 46 chromosomes.



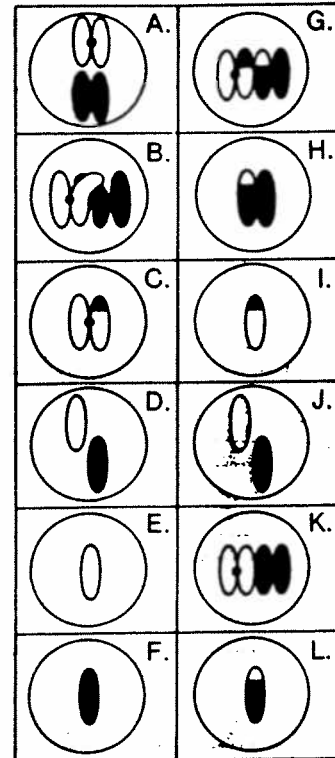
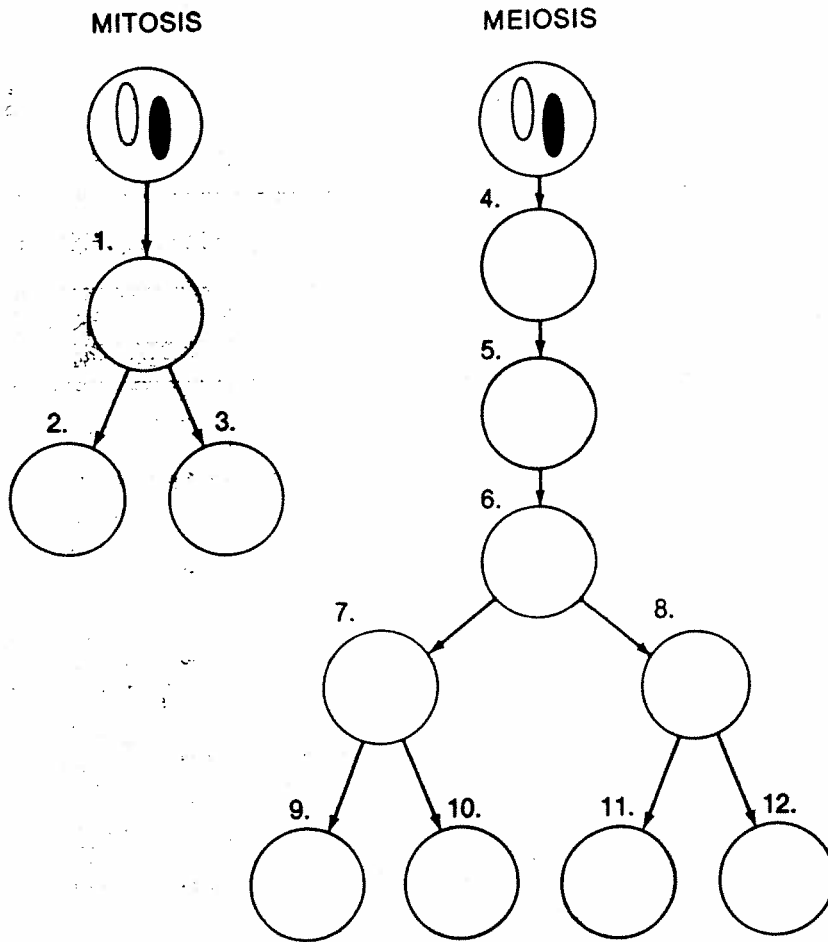
Name _____

Mitosis/Meiosis.

Page _____

Experiment

1. Cut out chromosomes **A** to **L**.
2. Correctly arrange these chromosomes in spaces **1** through **12** on the chart.



Chromosomes A - L

Conclusions: In each of the following questions 1-7, circle the correct response. In question 8, write an explanation using complete sentences.

1. When a cell dies in your heart the cell is replaced by **mitosis / meiosis**.
2. The egg and sperm are made by **mitosis / meiosis**.
3. The cells of your skin have **23 / 46** chromosomes.
4. The egg cell has **23 / 46** chromosomes.
5. The sperm cell has **23 / 46** chromosomes.
6. **Mitosis / meiosis** makes two cells like the original cell.
7. **Mitosis / meiosis** makes four cells unlike the original cell.
8. Why is it necessary for egg cells and sperm cells in an organism to make a half a set of chromosomes? _____
