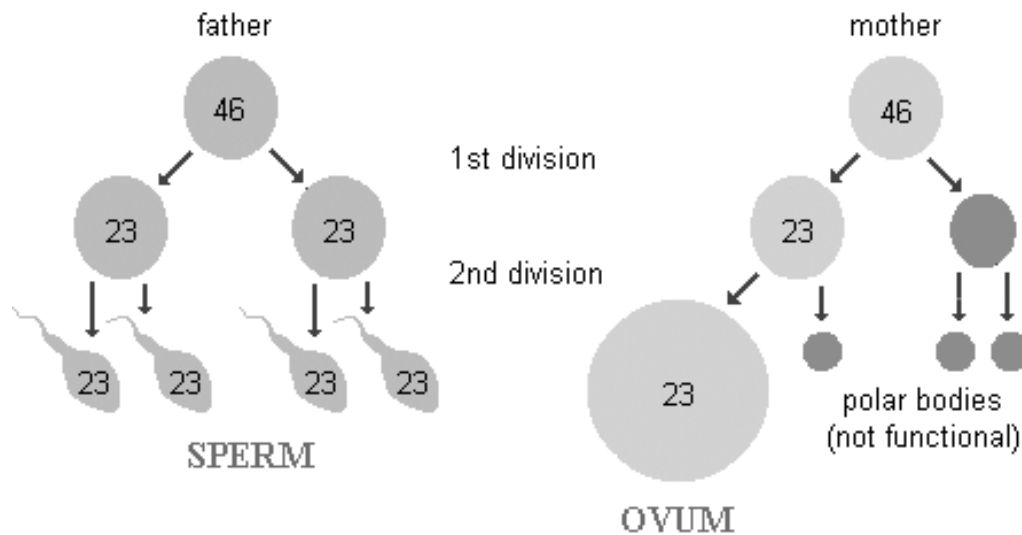


Name: _____

Student #: _____

1.3 Meiosis is the basis for sexual reproduction

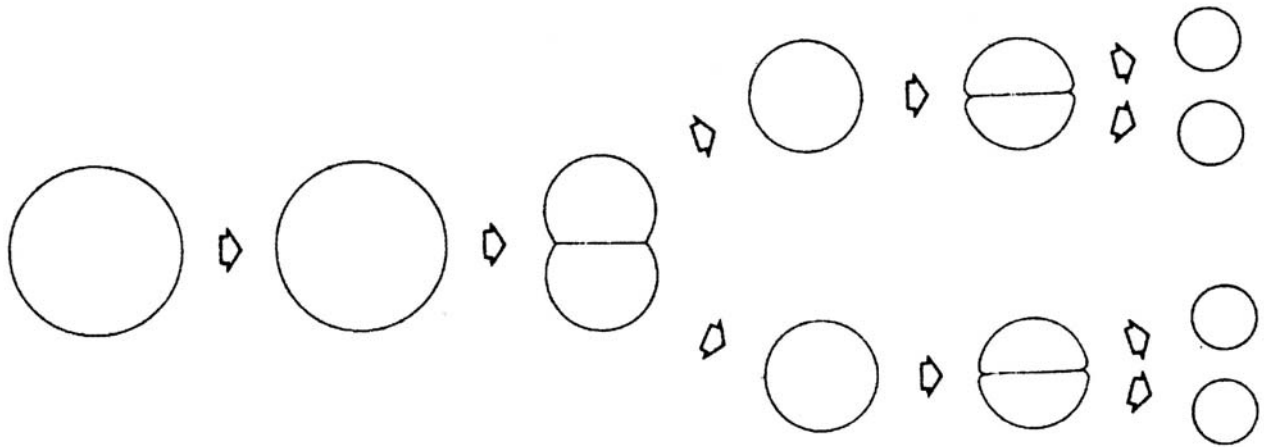
1.3.1 Meiosis



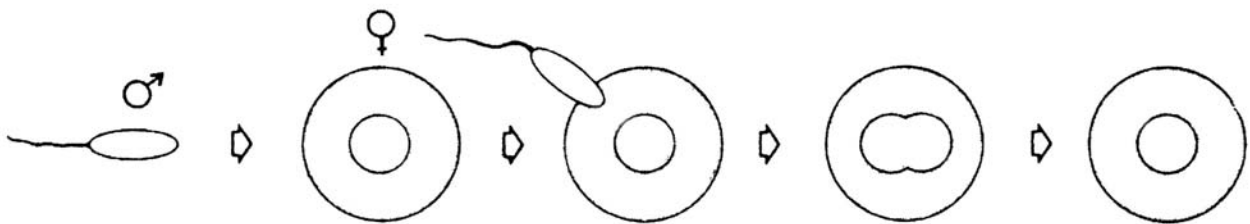
1. How many **single** chromosomes do humans have in their **body cells**? _____
2. How many chromosomes **pairs** do humans have in their **body cells**? _____
3. How many **single** chromosomes do humans have in their **sex cells**? _____
4. How many chromosomes **pairs** do humans have in their **sex cells**? _____
5. How many **single** chromosomes do humans have in a **fertilized egg**? _____
6. How many chromosomes **pairs** do humans have in a **fertilized egg**? _____
7. How many chromosomes are in a **diploid** (double or **2n**) set for humans? _____
8. How many chromosomes are in a **haploid** (half or **n**) set for humans? _____
9. What is meiosis?

10. Why is meiosis divided into meiosis I and meiosis II?

11. Using colored pens or pencils, show what happens to 2 chromosomes as they are passed from the mother cell to the **gametes** or sex cells (sperm and eggs).



12. Using colored pens or pencils, show how the diploid number is restored with **fertilization**.



13. Now answer 1.3.1 Review Questions #1, 2, 3, 5 and 7 on page 35.

14. BONUS MARKS: Research 1.3.1 Review Questions #4 and 6 on page 35.