

Biology 1

6.1 Guided Reading

Please read pages 168-171 and answer the questions below on your own paper using complete sentences.

Questions-

1. What kind of cells make up most of your body tissues and organs?
2. What kind of cells are sperm and eggs?
3. Which type of cells, **somatic** or **germ** are passed onto your children?
4. How many chromosomes are found in each human body cell?
5. How many pairs of chromosomes are found in each human body cell?
6. What is a homologous pair of chromosomes?
7. Are homologous chromosomes identical to each other?
8. What are chromosome pairs 1-22 called?
9. What is the 23rd pair of chromosomes called?
10. Which sex chromosomes do males have?

11. Which sex chromosomes do females have?

12. What happens during fertilization?

13. What is the difference between a haploid and diploid cell?

14. Is a cell that results from fertilization haploid or diploid?

15. What is formed during meiosis?

16. Use figure 6.2 to compare how mitosis differs from meiosis?