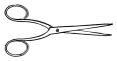


Theme: Mendel's Experiment

Page 88-89

Guide Questions

1. Do human offspring look exactly like their parents? Explain.
2. What were some of the traits of pea plants that were passed on from parent to offspring?
3. How is the way pea plants are pollinated different from the way that many other flowering plants are pollinated?
4. Which traits of the pea plants did Mendel cross?
5. What were the results of the cross involving flower color?
6. What was the ratio of purple flowers to white flowers?
7. What cause Mendel to choose pea plants for his experiment?



Theme: Dominant and recessive factors

Page 90-91

Guide Questions

1. Define
 - a. Dominant
 - b. Recessive
2. Looking at the illustration on page 90; can you tell what factors the parent plants have just by looking at them?
3. Why are all the first generation plants tall even though one parent plant is short?
4. Why is one of the second-generation plants short?
5. Why is a dominant trait more likely than a recessive trait to show up in generations of a family?
6. When a parent produces a reproductive cell, how many factors for a trait it to show up in that cell?
7. Where does the offspring's other factor come from?
8. What caused Mendel to conclude that the factor for tallness is dominant?
9. Think: Explain how two parents with brown eyes can have a blue-eyed child?

Theme: **Genes and Heritance**

Page 92-93

Guide Questions

1. Define: Gene
2. Why they are important?
3. Where are genes located?
4. How are traits passed on to offspring?
5. From whom do you get your dominant and recessive traits?