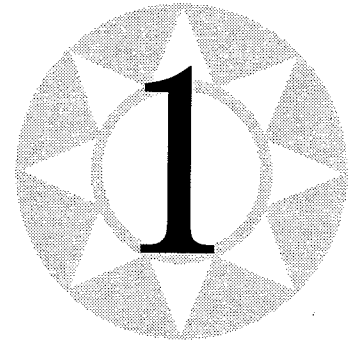


Botany Basics



Review questions

1. What unique feature of plant cells allows vegetative reproduction to be successful? Why?
2. What is the major function of root hairs?
3. In sexual reproduction, what structure contains the genetic information and food reserve to allow for development of a new plant?
4. You saved the seeds from an apple you liked. If you plant these seeds, will you be able to produce apples true-to-type of the original apple? Why or why not?
5. Which of the following does all plant and animal life depend on? (Mark the one best answer.)
 (a) Vernalization
 (b) Photosynthesis
 (c) Periodicity
 (d) Viscosity
6. Which of the following products do living plants produce or release? (Mark all correct answers.)
 (a) Sugars and starches
 (b) Oxygen
 (c) Carbon compounds
 (d) Water

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7. What three things must a plant continuously balance in order to grow and develop properly?

8. What primary nutrient produces vegetative growth and is a component of protein?*

9. The new lawn you planted was made up of equal amounts of four different cultivars. Ten years from now, will the same proportion of these cultivars exist? What process is at work?

*You may need to use other chapters, additional reference materials, or your own experience to answer this question fully.