

Stem Cells and Tissues

Section 1.3 - Read pages 38-45

1. Define Regeneration
2. What have scientists be able to do in the field of regeneration for humans?
3. What occurs when a cell becomes specialized?
4. What is a stem cell and what can they do?
5. Define differentiation
6. What is the difference between embryonic and adult stem cells?
7. What are Meristimatic cells?
8. Define the term Tissue.
9. Describe the four types of animal tissues, provide all the examples of each type and their function.
10. What type of tissue is blood?
11. What is the difference between skeletal, smooth and cardiac muscle?
12. Describe the four types of plant tissues, provide all the examples of each type and their function.
13. What occurs at the stomate?
14. What occurs in the mesophyll?
15. What is the difference between xylem and phloem?