

SECTION 1 - 1

REVIEW AND REINFORCE

Discovering Cells

◆ Understanding Main Ideas

Fill in the blanks in the table below.

Discovering Cells

Scientist	Contribution
1. _____	One of the first people to observe cells
Leeuwenhoek	2. _____
3. _____	Concluded that all plants are made up of cells
Schwann	4. _____
5. _____	Proposed that all cells come from other cells

Answer the following questions on a separate sheet of paper.

- 6. Compare and contrast magnification and resolution.
- 7. State how an electron microscope differs from a light microscope.
- 8. Explain how cells are related to living things.

◆ Building Vocabulary

Match each term with its definition by writing the letter of the correct definition in the blank beside the term.

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|-------------------------------|---|
| _____ 9. cell | a. the ability to make things look larger than they are |
| _____ 10. microscope | b. the basic unit of structure and function in living things |
| _____ 11. compound microscope | c. a widely accepted explanation of the relationship between cells and living things |
| _____ 12. cell theory | d. a light microscope that has more than one lens |
| _____ 13. magnification | e. any instrument that makes small objects look larger |
| _____ 14. convex lens | f. the ability to distinguish the individual parts of an object |
| _____ 15. resolution | g. a curved lens that is thicker in the middle than at the edges |