Directed Reading 3.1

Section: The diversity of Cells

 1. cell

 2. C

 3. D

 4. A

 5. E

 6. B

 7. cells of plants and fungi

 8. All organisms are made of one or more cells. The cell is the basic unit of all living things. All cells come from existing cells.

 9. C

 10. A

 11. B

 12. B

 13. E

14. D

15. A

 16. C

 17. cell membranes, organelles, cytoplasm, and DNA

 18. eukaryotic and prokaryotic

 19. Prokaryotes are organisms that consist of a single cell that does not have a nucleus or membrane-bound organelles.

 20. bacteria

 21. tiny, round organelles made of protein and other material

 22. Answers may vary. Sample answer: Archaeal ribosomes are different from bacterial ribosomes.

 23. heat-loving, salt-loving, and methane-making

 24. D

 25. B

 26. A

 27. “many cells”