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”