5th Grade Science Unit A, Chapter 4, Review Answers

1. Phloem
2. Xylem
3. Chlorophyll
4. Photosynthesis
5. Spores
6. Gymnosperms
7. Angiosperms
8. Pollen
9. Germinate
10. Nonvascular plants
11. Vascular plants
12. Spores (either order)
13. Seeds (either order)
14. Gymnosperms
15. Angiosperms
16. B, this helps them make food
17. F, they must pass water and minerals from one cell to the next
18. C, they attract insects and birds that spread pollen
19. J, near the bottom of the Food Guide Pyramid
20. The plant might live for awhile but would eventually die because a plant needs leaves to be able to make food.
21. Fruits give seeds a better chance to survive and grow because they protect the seeds, even if part of the fruit is eaten. Once cones release their seeds, the seeds have no protection and can be easily eaten by animals. Seeds from cones are also exposed to harsh weather, while fruits protect seeds from weather. Unlike cones, fruits provide food for sprouting seeds.
22. Successful seed dispersal by wind, burs, and animals helps ensure the survival of plant species by spreading the seeds far from parent plants, where they have a better chance of growing.
23. You can observe plant parts. Leaves, flowers, cones, fruits, stems, and roots are all parts that differ from one plant to another.
24. Answers might include: wood floors, desks, wood pencils, cardboard boxes, books, art supplies, posters, cork boards, cotton clothing, and fruits, nuts, and other plant foods in lunches.
25. Cones and fruits contain seeds. Without cones and fruits, trees would need a different way to reproduce. If they didn’t eventually, all the trees would be used up and not replaced and so they would die out.