Unit D Chapter 1 Review Answers

1. Transfer of heat energy from one substance to another by direct contact; if you touch a hot stove, you may be burned through conduction.
2. Layer of air that surrounds Earth; Earth’s atmosphere is necessary for life
3. Amount of mass in a given volume of a substance; the density of air changes when it’s heated
4. Harmful materials that are added to the air; Air pollution can smell bad.
5. Distance above sea level; The air is less dense at a higher altitude
6. Transfer of energy across distances in the form of certain types of waves; Solar radiation provides energy to Earth
7. Process that repeats over and over: Rain is part of the water cycle
8. Tiny particles or droplets mixed in with air; Can spray paint add particulates to air?
9. D
10. A
11. A
12. C
13. B
14. D
15. C
16. A
17. Ozone absorbs harmful radiation in the stratosphere. But ozone itself is harmful to breathe when it is in the troposphere
18. Humans burn fossil fuels, raise cattle, and add fertilizers to the soil. These activities add pollutants and greenhouse gases to the atmosphere
19. The dandelion seeds are moving with the air. If the air was not moving, then the seeds would either stay on the stem or fall straight down.