Unit D Chapter 2 Review Question Answers

1. an instrument that measures air pressure
2. a condition in which the evaporation of water into the air is balanced by the condensation of water
3. winds that travel thousands of kilometers in steady patterns
4. winds that change direction with the seasons
5. the process by which a liquid changes to a gas
6. the process by which a gas changes into a liquid
7. the amount of water vapor in the air
8. liquid or solid water that falls to Earth’s surface
9. B
10. A
11. C
12. A
13. A
14. C
15. B
16. C
17. D
18. B
19. A
20. Land cools off faster than the sea, and air flows toward the resulting low pressure area over the water
21. The humid air is close to saturation, so evaporation is slow
22. Density increases as air pressure increases, because higher pressure pushes air molecules closer together
23. Such particles are solids but are light enough to stay in the atmosphere for long periods. Water vapor will only condense on something solid.
24. Sailors used to seek out global wind belts to speed their sailing ships. They also avoided zones of high and low pressure because the winds there were often too light to move ships.