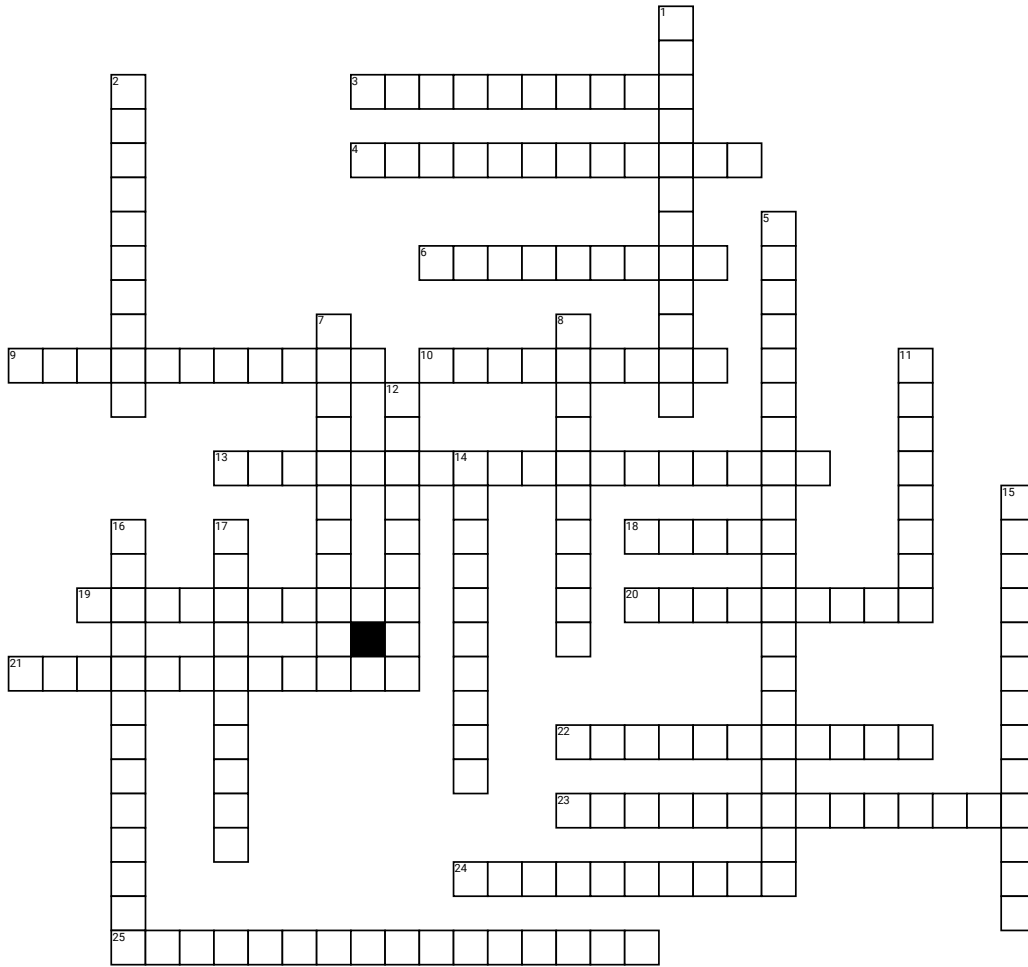


Name: _____

crossword puzzle by shakyle brown



Across

- 3. transfer of heat by the flow of material
- 4. Above 80 km and extends to space, has the highest temperatures. Contains the upper portion of the
- 6. narrow belt of strong winds that blows near the top of the troposphere.
- 9. layer of water on the surface of the earth
- 10. energy transferred by waves or rays
- 13. group of chemical compounds used in refrigerators, air conditioners, foam packages, and aerosol sprays that may enter the atmosphere and destroy ozone.
- 18. layer of the stratosphere with a high concentration of ozone; absorbs most of the Sun's harmful ultraviolet radiation
- 19. layer of electrically charged particles in the thermosphere that absorbs AM radio waves during the day and reflects them back at night.
- 20. movement of air from sea to land during the day when cooler air from above the water moves over the land, forcing the heated, less dense air above the land to rise.

- 21. Air planes travel in this layer, the ozone layer is located here
 - 22. a process at which molecules at the surface of a liquid absorb enough energy to change to the gaseous state
 - 23. causes moving air and water to turn left in the southern hemisphere and turn right in the northern hemisphere due to Earth's rotation.
 - 24. transfer of energy that occurs when molecules bump into each other.
 - 25. earth's atmosphere traps solar radiation, caused by the presence in the atmosphere of gases such as carbon dioxide, water vapor, and methane.
- Down**
- 1. process in which water vapor changes to a liquid
 - 2. Earth's air, which is made up of a thin layer of gases, solids, and liquids; forms a protective layer around the planet and is divided into five distinct layers.
 - 5. a type of energy that comes to Earth from the Sun, can damage skin and cause cancer, and is mostly absorbed by the ozone layer.

- 7. layer of Earth's atmosphere that is closest to the ground and contains 99 percent of the water vapor and 75 percent of the atmospheric gases; where clouds and weather occur
- 8. the continuous process by which water moves from Earth's surface to the atmosphere and back
- 11. height above sea level or the earth's surface
- 12. Outermost layer of the atmosphere, satellites are located here
- 14. movement of air from land to sea at night, created when cooler, denser air from the land forces warmer air up over the sea
- 15. when water in the form of ice, rain, sleet, hail, or snow falls to the Earth
- 16. An increase in the average temperature of the earth's atmosphere, especially a sustained increase sufficient to cause climatic change.
- 17. Shooting stars known as meteors burn up in this layer. Contains the lower portion of the ionosphere

Word Bank

- | | | | | |
|-----------------------|--------------------|----------------|-------------------|---------------|
| hydrosphere | chlorofluorocarbon | jet stream | greenhouse effect | sea breeze |
| radiation | coriolis effect | global warming | troposphere | Thermosphere |
| ultraviolet radiation | Stratosphere | ozone | ionosphere | precipitation |
| exosphere | convection | land breeze | Water Cycle | conduction |
| altitude | evaporation | condensation | atmosphere | mesosphere |