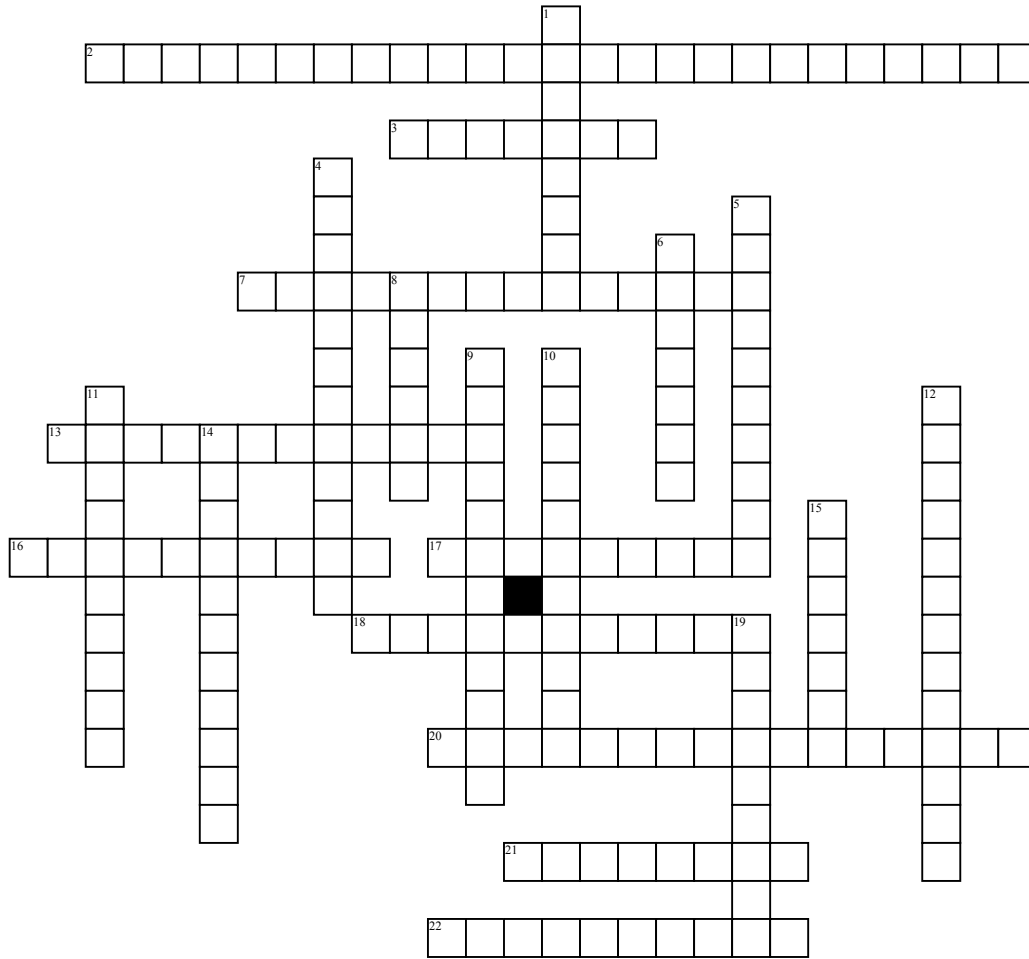


# Layers of the Atmosphere



**Across**

- 2. This object orbits earth in the Thermosphere
- 3. A measure of the compactness of a substance and is equal to the amount of mass per unit volume
- 7. A deflection of moving objects to the right in the northern hemisphere and to the left in the southern hemisphere.
- 13. A layer of the atmosphere reaching 32 miles high and contains the ozone layer and where airplanes and weather balloons fly..
- 16. An atmosphere layer between 30 and 50 miles in altitude and has temperatures that drop with higher elevation and meteors burn up as they go through..
- 17. A group of two or more atoms linked together by sharing electrons in a chemical bond.

- 18. The densest layer of the atmosphere & extends from the surface to six miles high.
- 20. Trapping of the sun's radiation in the Earth's atmosphere due to the presence of greenhouse gases
- 21. The most abundant gas in the atmosphere (78%)
- 22. A layer in the stratosphere which absorbs most of the ultraviolet radiation reaching earth from the sun.

**Down**

- 1. The height of an object above a reference level, usually above sea level or the Earth's surface.
- 4. The Auroras are found in this ionized layer of the atmosphere.
- 5. These orbit earth in the Exosphere
- 6. The state of the atmosphere at a particular time and place.

- 8. The second most abundant gas in the atmosphere
- 9. An atmospheric layer where temperature increases with altitude and reaches 400 miles high.
- 10. The weight of the atmosphere per unit of area on the Earth's surface.
- 11. The mixture of gases that surrounds the Earth
- 12. The energy of motion.
- 14. The average kinetic energy of particles in an object
- 15. The general or average weather conditions of a certain region gathered over a long period of time.
- 19. The outermost layer of the atmosphere where gasses are few and far apart and meet outer space.

**Word Bank**

- |                 |                             |                   |              |
|-----------------|-----------------------------|-------------------|--------------|
| Density         | Stratosphere                | Thermosphere      | Thermosphere |
| Kinetic Energy  | Altitude                    | Oxygen            | Ozone Layer  |
| Coriolis effect | Troposphere                 | Greenhouse Effect | Atmosphere   |
| Exosphere       | Satellites                  | Molecules         | Air Pressure |
| Nitrogen        | International Space Station | Temperature       | Climate      |
| Mesosphere      | Weather                     |                   |              |