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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_ | Period: \_\_\_\_\_\_\_ |

Layers of the Atmosphere

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| **Across**  **3.** this layer contains ozone,which is a special layer of oxygen molecules and absorb harmful rays of sun  **7.**  a gas that was once commonly used in various products (such as aerosols) but that is believed to cause damage to the ozone layer in the Earth's atmosphere  **8.** the process in which energy is emitted as particles or waves  **10.** this is the layer closest to the ground where we live and this is where weather takes place  **12.** its made of light gases and the molecules are spaced farther and farther apart until they don't exist  **13.** elevation above sea level or above earth's surface  **14.** there is no ozone in this layer and its very cold | **Down**  **1.** Electromagnetic radiation that has a wavelength between that of visible light and that of X-rays  **2.** is a measure of the force applied over a unit area  **4.** is the movement of something such as heat or electricity through a medium or passage  **5.** the region of the stratosphere with the highest concentration of ozone molecules, which by absorbing high-energy solar ultraviolet radiation protects organisms on earth  **6.** A region of the earth's atmosphere where ionization caused by incoming solar radiation affects the transmission of radio waves. It extends from a height of 70 kilometers (43 miles) to 400 kilometers (250 miles) above the surface  **9.** the layer above the earth and is made of many gases,including oxygen and nitrogen  **11.**  colorless gas (O3) soluble in alkalis and cold water; a strong oxidizing agent; can be produced by electric discharge in oxygen or by the action of ultraviolet radiation on oxygen in the stratosphere |