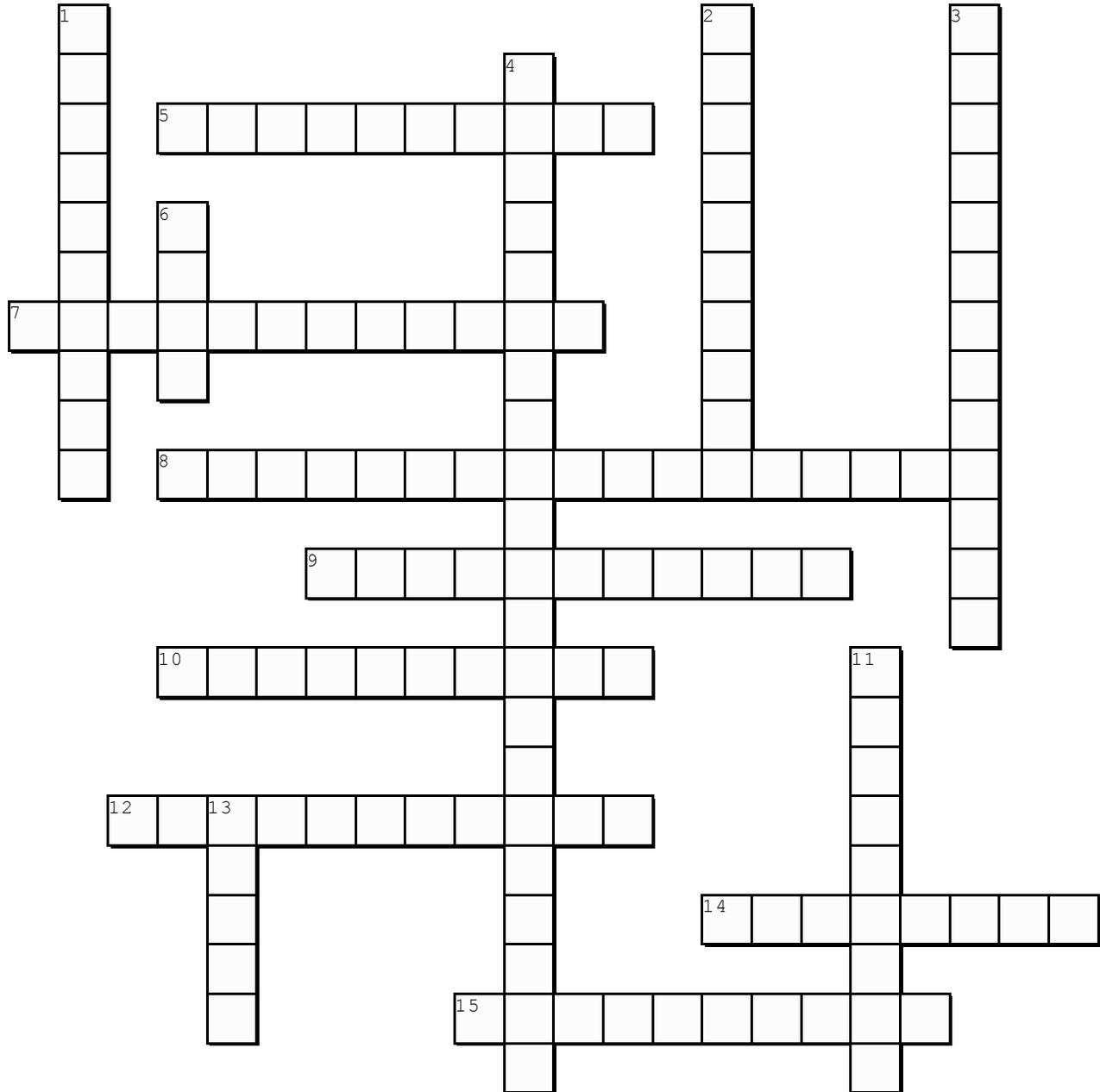


Name: _____

CH 17 Atmosphere

Complete the crossword below



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Across

5. The portion of the thermosphere between about 90 and 500 km above Earth, where the air is highly ionized due to the effects of the sun's ultraviolet rays
7. The layer of the Earth's atmosphere that extends from the troposphere to the mesosphere; concentrations of ozone cause temperatures within the area to increase with altitude
8. The absorption and retention of the sun's radiation by a planet's atmosphere, resulting in an increase in surface temperature
9. The measure of the average kinetic energy of the atoms or molecules in a substance
10. The solar radiation (energy from the sun) that reaches Earth
12. The lowest layer of Earth's atmosphere, characterized by decreasing temperature with altitude
14. A line drawn on a weather map through places having the same atmospheric temperature at a given time
15. The transfer of heat energy in a liquid or gas through the circulation of currents of heated particles within the substance

Down

1. The transfer of heat or another form of energy from one particle of a substance to another
2. The layer of the Earth's atmosphere that extends from the stratosphere to the thermosphere, characterized by decreasing temperatures
3. Any airborne gas or particle that occurs at concentrations capable of harming living things or disrupting the functioning of the environment
4. An increase in temperature with an increase in altitude; occurs when a layer of cold air is trapped beneath a layer of warm air
6. The total kinetic energy of all of the particles of a substance
11. The transfer of energy through space by electromagnetic waves
13. A molecule of oxygen that consists of three oxygen atoms