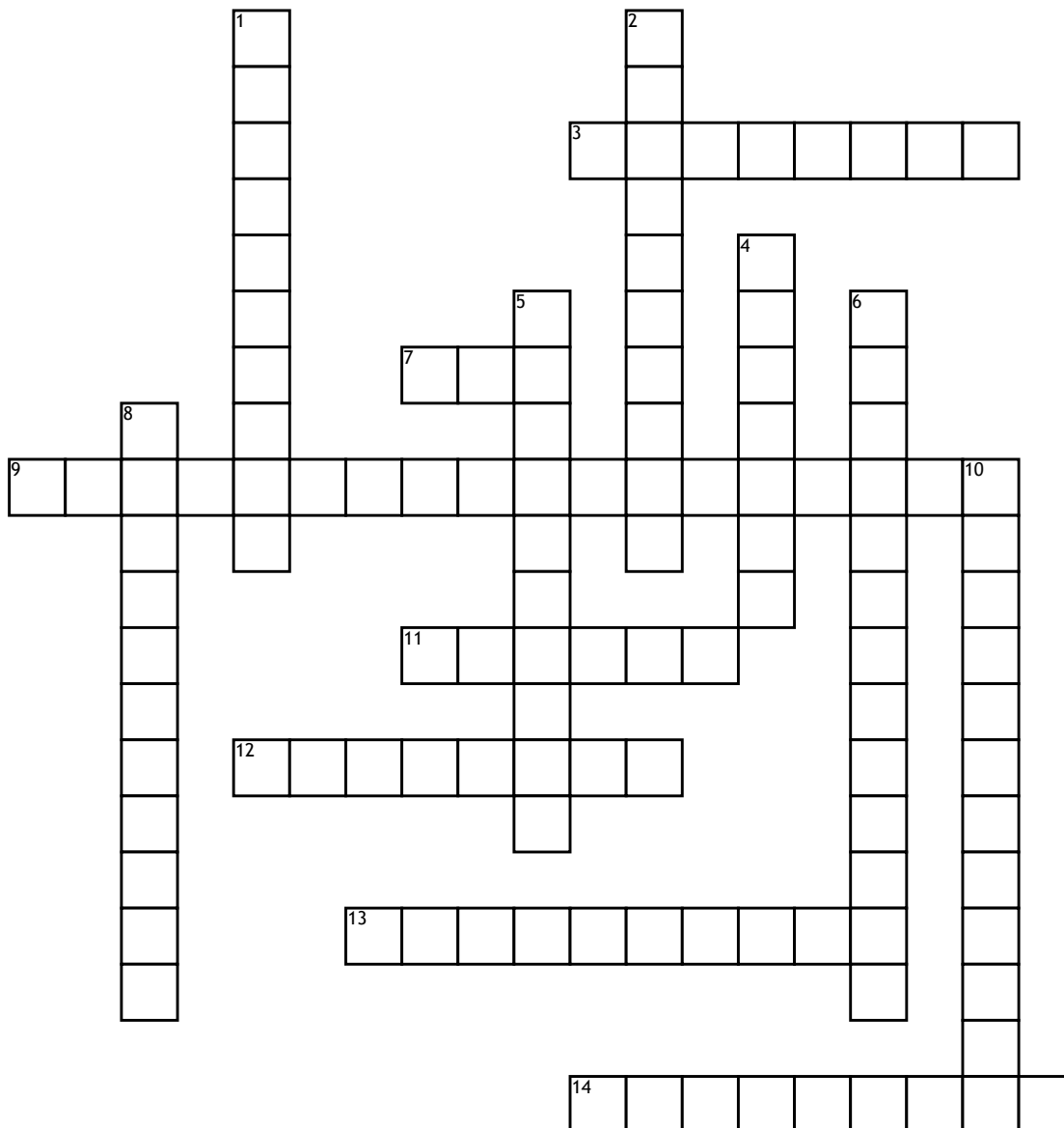


Greenhouse effect/ global warming



Across

3. Long energy waves radiated by the earth back into space
 7. Fundamental source of energy that drives our climate system
 9. Once used in consumer product like hairspray
 11. Warming effect resulting when atmosphere traps heat radiating from earth back to space
 12. Gases that respond to changes in temperature

13. Types of energy transfer in which hot air raises and cool air sinks

14. Gases that do NOT respond to temperature change

Down

1. Blanket that covers the earth creating a greenhouse effect
 2. Types of energy transfer that required contact with the substance
 4. Hydrocarbon gas produced by livestock and decomposing landfill

5. Types of activities modern civilization depends on that raises carbon dioxide levels

6. Results in melting of polar ice caps, flooding, desertification of farmlands

8. Short energy waves radiated by the sun

10. By-product of fertilizers, gasoline, explosive