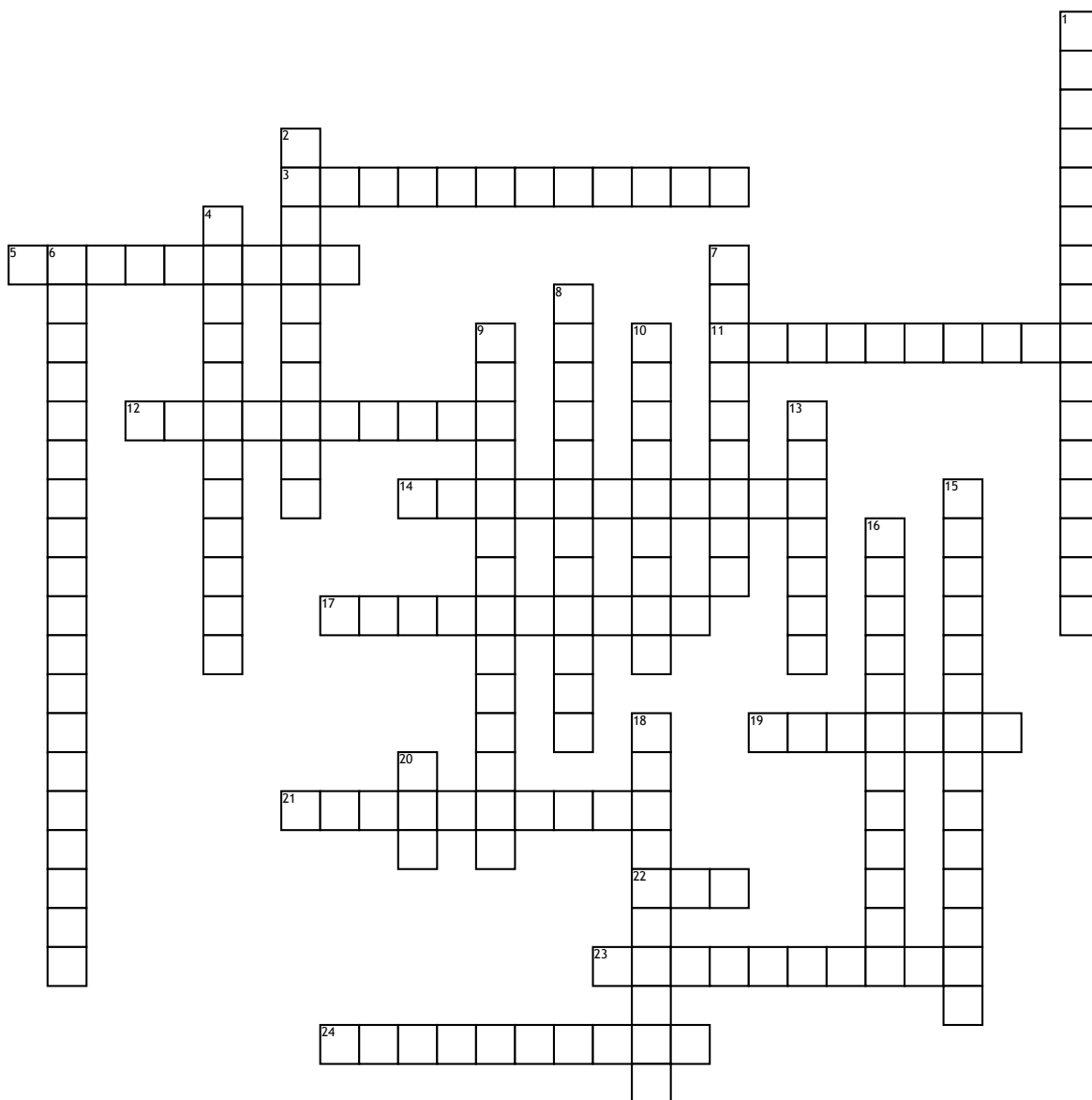


Name: _____

Date: _____

Atmosphere



Across

3. amount of energy available to heat the earth's surface

5. transfer of heat by electromagnetic waves

11. surface winds that blow from regions of high pressure towards the equator

12. Layer that acts as a "shield" to protect the earth's surface from the dangerous effects of the sun's ultraviolet radiation

14. weather layer

17. lower atmosphere

19. Northern and southern lights

21. heat transfer by moving currents of hot air

22. causes tanning and sunburn

23. A blanket of gases that surrounds our planet to protect and support life

24. solar energy that reaches the earth's surface

Down

1. process of trapping heat in the earth's atmosphere

2. least understood layer

4. strong steady winds but few changes in weather

6. 14.7 pounds per square inch

7. high altitude winds that are concentrated in narrow, meandering bands of rapidly moving air

8. upper atmosphere

9. the way in which the earth's rotation causes a change in the course of the winds

10. outermost layer of the atmosphere

13. the tendency for matter to stay at rest if at rest and continue moving if in motion

15. regions of high pressure and gentle winds at about 30 degrees

16. Characterized by high temperatures (hint: the beginning of the word means heat)

18. transfer of heat by direct contact between two objects

20. Most powerful and dangerous form of UV radiation