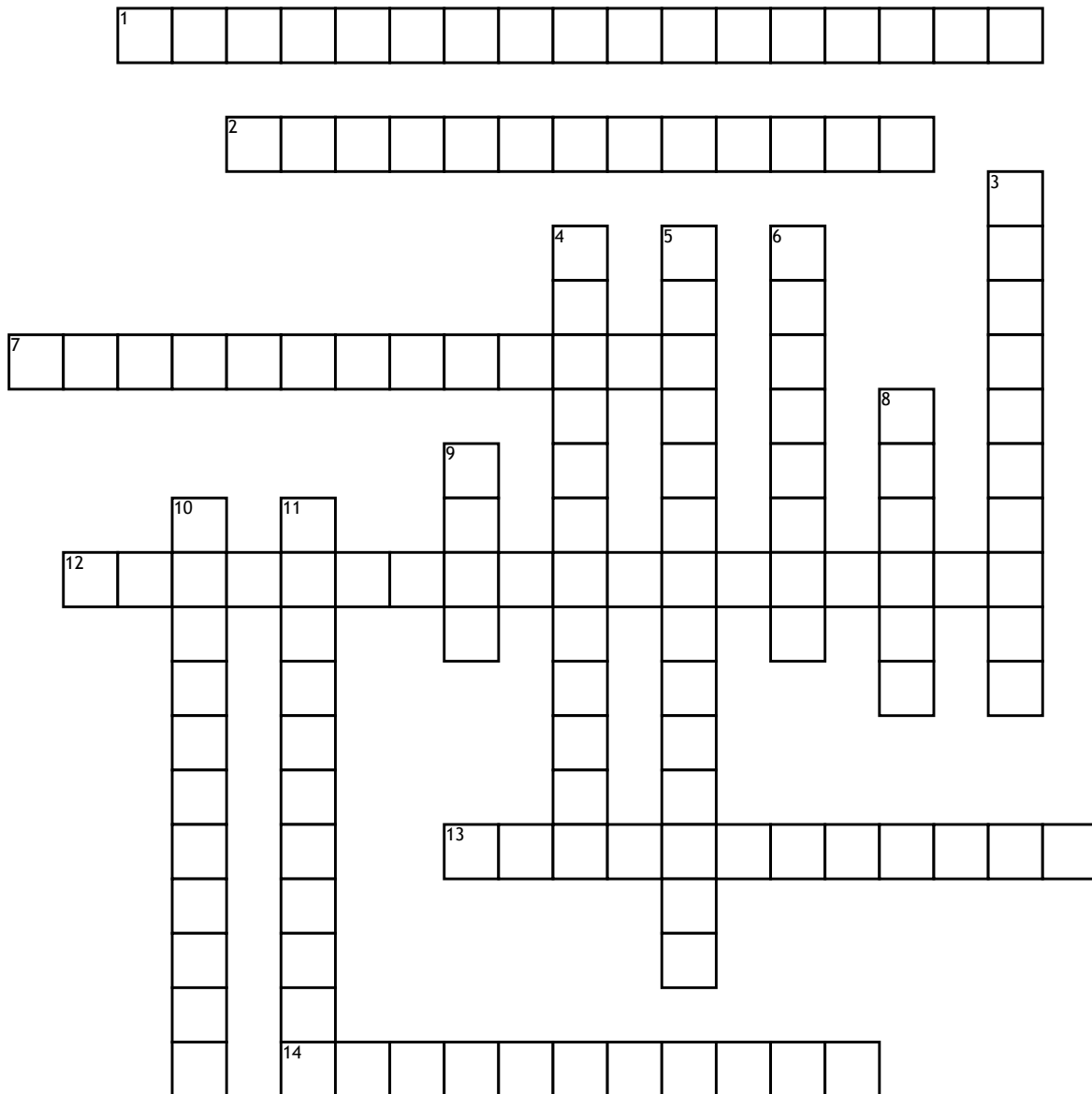


# Heat and Energy



## Across

1. energy can neither be created nor destroyed

2. gases are made of particles that are in constant motion and collide

7. solid, liquid, gas, plasma

12. indicates change through phases

13. heat required to raise temp by one degree

14. reaction that absorbs heat

## Down

3. reaction with release of heat

4. shows temp change as a substance is heated

5. relations between heat and other forms of energy

6. a version of the law of conservation of energy

8. overcoming resistance or causing a physical change

9. form of energy that flows between samples of matter

10. measuring heat exchanged with surroundings

11. measure of the intensity of heat