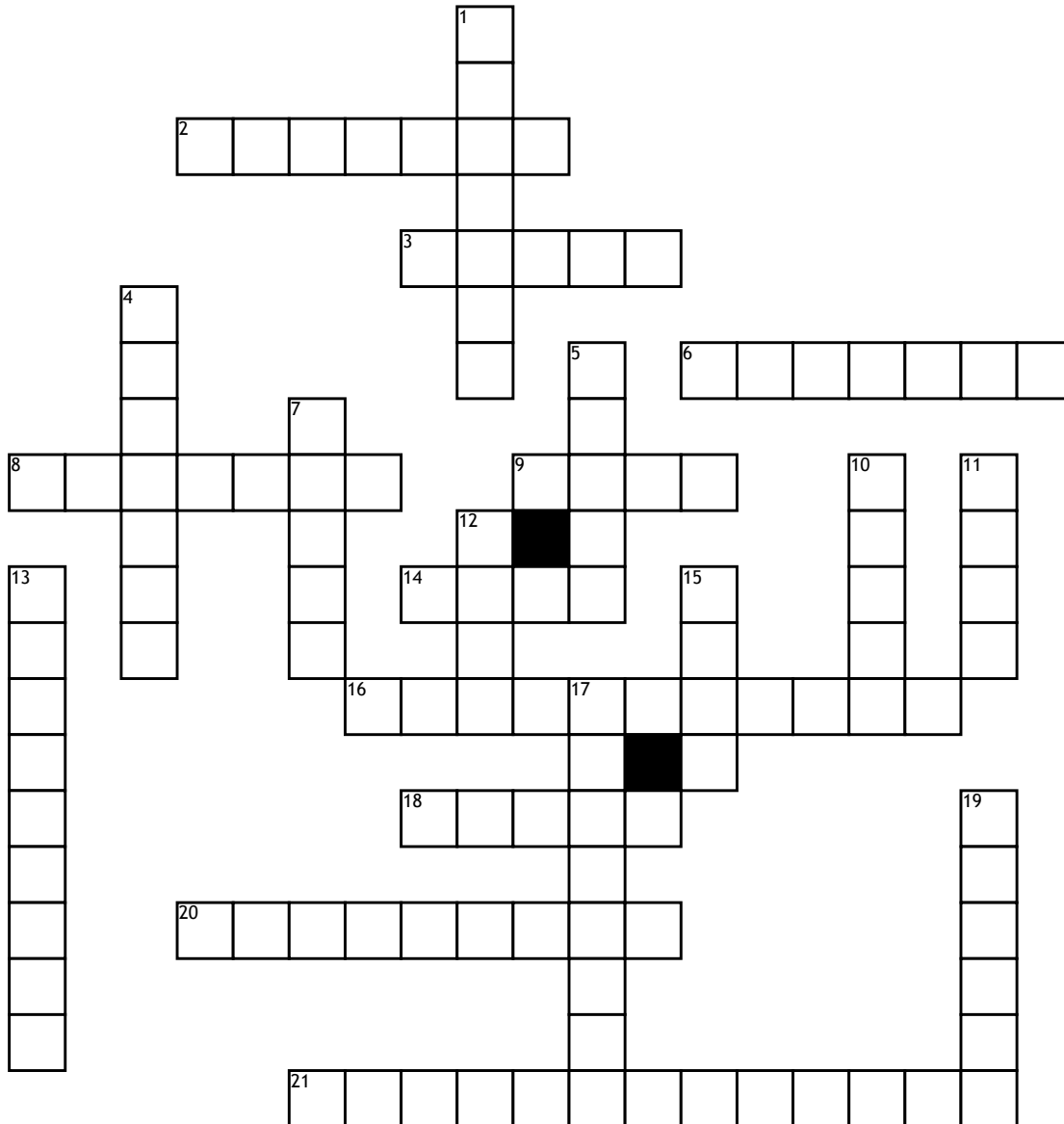


# Matter and Energy



## Across

2. a device that produces electricity; may have several primary or secondary cells arranged in parallel or series
3. cause to move back by force or influence
6. navigational instrument for finding directions
8. an electrical device that provides a path for electrical current to flow
9. a heavy ductile magnetic metallic element
14. the center of an object

16. energy made available by the flow of electric charge through a conductor

18. any of several chemical elements that are usually shiny solids that conduct heat or electricity and can be formed into sheets etc.

20. attraction for iron

21. a temporary magnet made by coiling wire around an iron core

## Down

1. a flow of electricity through a conductor

4. direct toward itself or oneself by means of some psychological power or physical attributes

5. physical energy or intensity

7. electromagnetic radiation that can produce a visual sensation

10. heavy pin having a head at one end and the other end being hammered flat

11. a metal conductor that carries electricity over a distance

12. one of the two ends of a magnet where the magnetism seems to be concentrated

13. a substance that readily conducts e.g. electricity and heat

15. reactor consisting of a spiral

17. move from one place to another

19. a device that attracts iron and produces a magnetic field