

# Magnets Crossword Puzzle

Name: \_\_\_\_\_

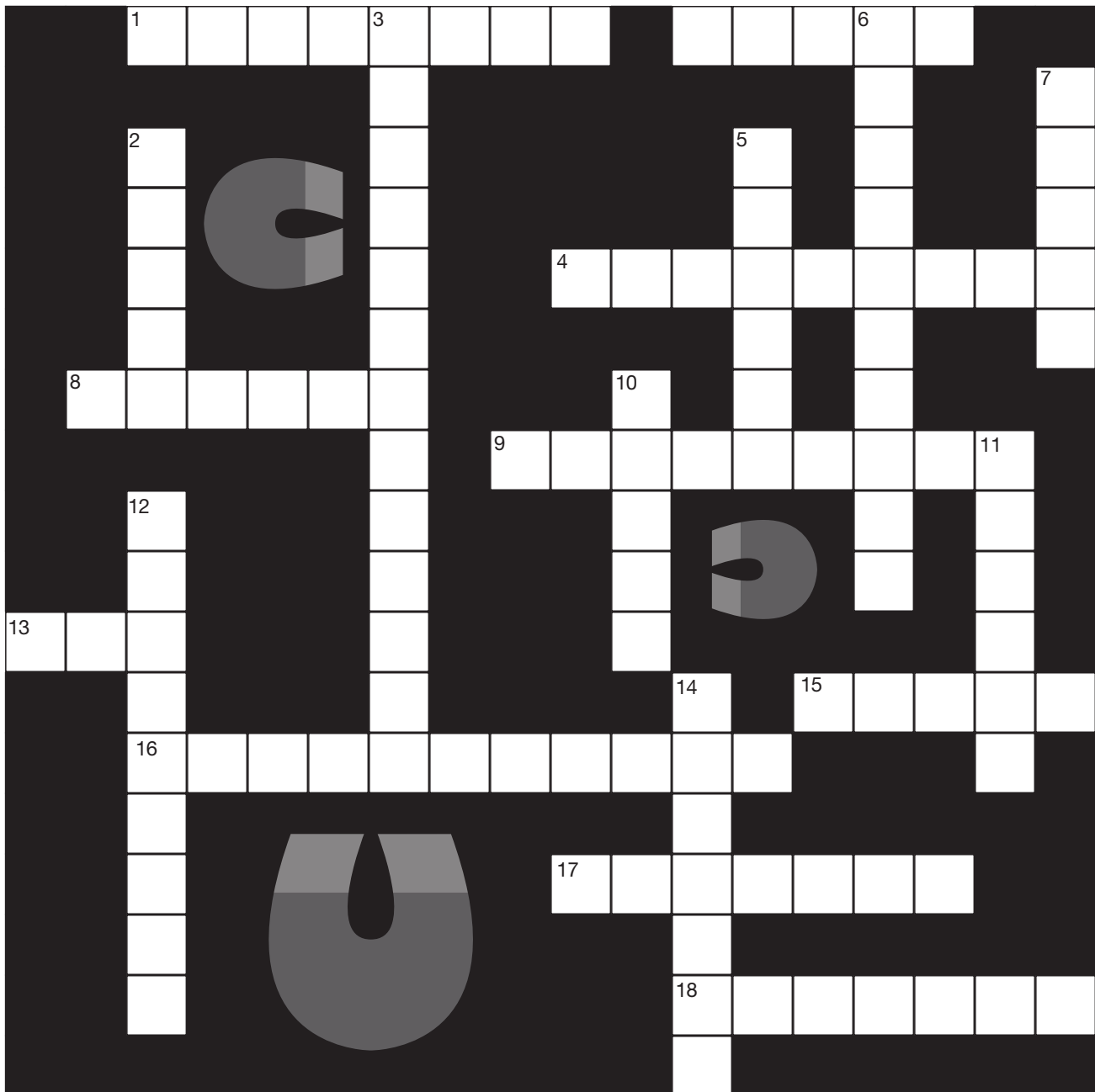
Read the clues below. Fill in the blanks by writing the correct words in the puzzle.

## ACROSS

1. An invisible area around a magnet in which forces (push and pull) are exerted on ferromagnetic material.
4. Naturally occurring magnetic iron ore having polarity.
8. An acronym that refers to a group of iron alloys that are comprised mostly of aluminum, nickel, and cobalt.
9. A rare earth element, the most powerful permanent magnet.
13. A rectangular magnet with poles on each end.
15. A device that converts the movement of electrons (electricity) into the movement of the other objects.
16. A build-up of energy or flow of electrons.
17. A material/metal that contains iron and is often magnetic.
18. A device for finding directions by means of a small magnet turning on a pivot, which points to the Earth's magnetic north.

## DOWN

2. To push away.
3. Any device exhibiting magnetism only while current flows.
5. The ability to do work.
6. The process of rising, lifting, or suspending an object in midair.
7. The parts of a magnet that have magnetic strength (north and south).
10. A push or pull that can cause or change motion.
11. Movement, change in position.
12. A bent, U-shaped bar magnet.
14. To pull forward or stick to.



# Magnets Crossword Puzzle: Answer Key



## ANSWERS

### ACROSS

1. An invisible area around a magnet in which forces (push and pull) are exerted on ferromagnetic material. **Magnetic field**
4. Naturally occurring magnetic iron ore having polarity. **Lodestone**
8. An acronym that refers to a group of iron alloys that are comprised mostly of aluminum, nickel, and cobalt. **Alnico**
9. A rare earth element, the most powerful permanent magnet. **Neodymium**
13. A rectangular magnet with poles on each end. **Bar**
15. A device that converts the movement of electrons (electricity) into the movement of the other objects. **Motor**
16. A build-up of energy or flow of electrons. **Electricity**
17. A material/metal that contains iron and is often magnetic. **Ferrous**
18. A device for finding directions by means of a small magnet turning on a pivot, which points to the Earth's magnetic north. **Compass**

### DOWN

2. To push away. **Repel**
3. Any device exhibiting magnetism only while current flows. **Electromagnet**
5. The ability to do work. **Energy**
6. The process of rising, lifting, or suspending an object in midair. **Levitation**
7. The parts of a magnet that have magnetic strength (north and south). **Poles**
10. A push or pull that can cause or change motion. **Force**
11. Movement, change in position. **Motion**
12. A bent, U-shaped bar magnet. **Horseshoe**
14. To pull forward or stick to. **Attract**