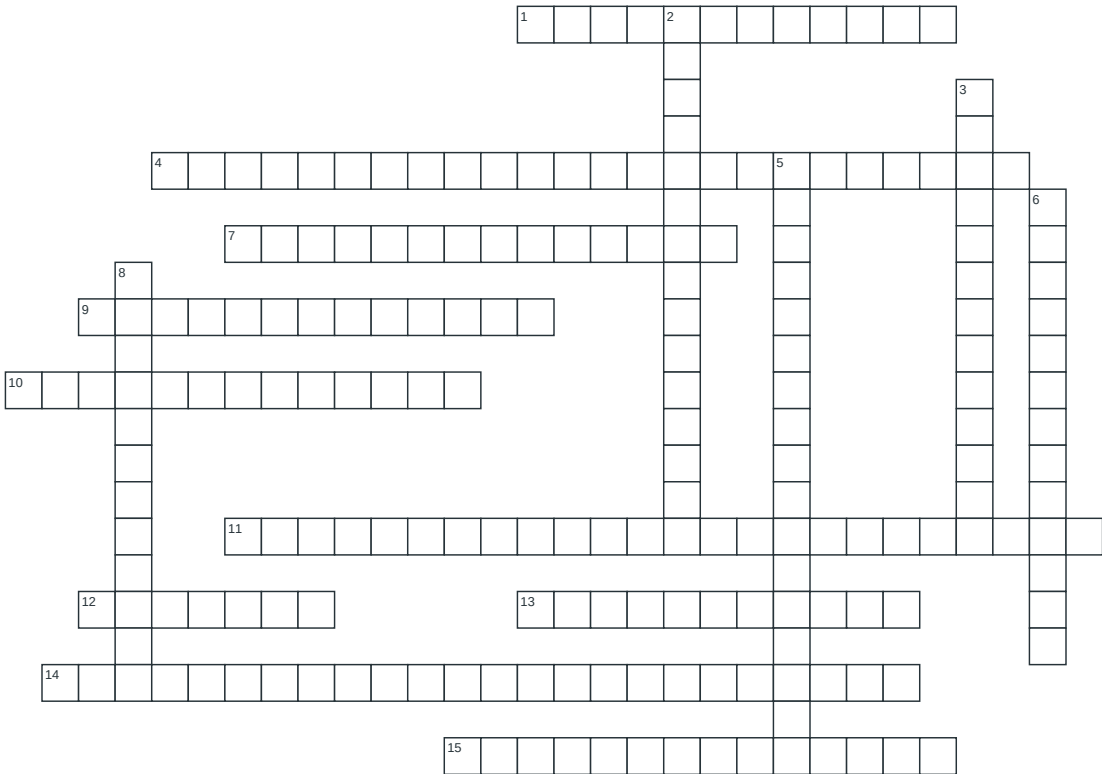


Magnetism and Electromagnetism Crossword

Medium | 15 clues | Student Worksheet

Name: _____ Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

- 1. Measure of magnetic field passing through a specified area.
- 4. Happens to a coil's magnetic polarity when its current direction reverses
- 7. Region in a material where many atomic magnetic moments align.
- 9. Region where magnetic forces can act on magnets or moving charges.
- 10. Alignment of magnetic domains that gives a material a net magnetic effect.
- 11. A turbine spins a generator during electricity production. What supplies the mechanical energy
- 12. Instrument whose magnetic needle aligns with a local magnetic field.
- 13. Changing current in one coil induces voltage in another coil through changing magnetic flux

ACROSS (continued)

- 14. Producing an electric effect through changing magnetic flux
- 15. Current produced when magnetic flux through a conducting loop changes.

DOWN

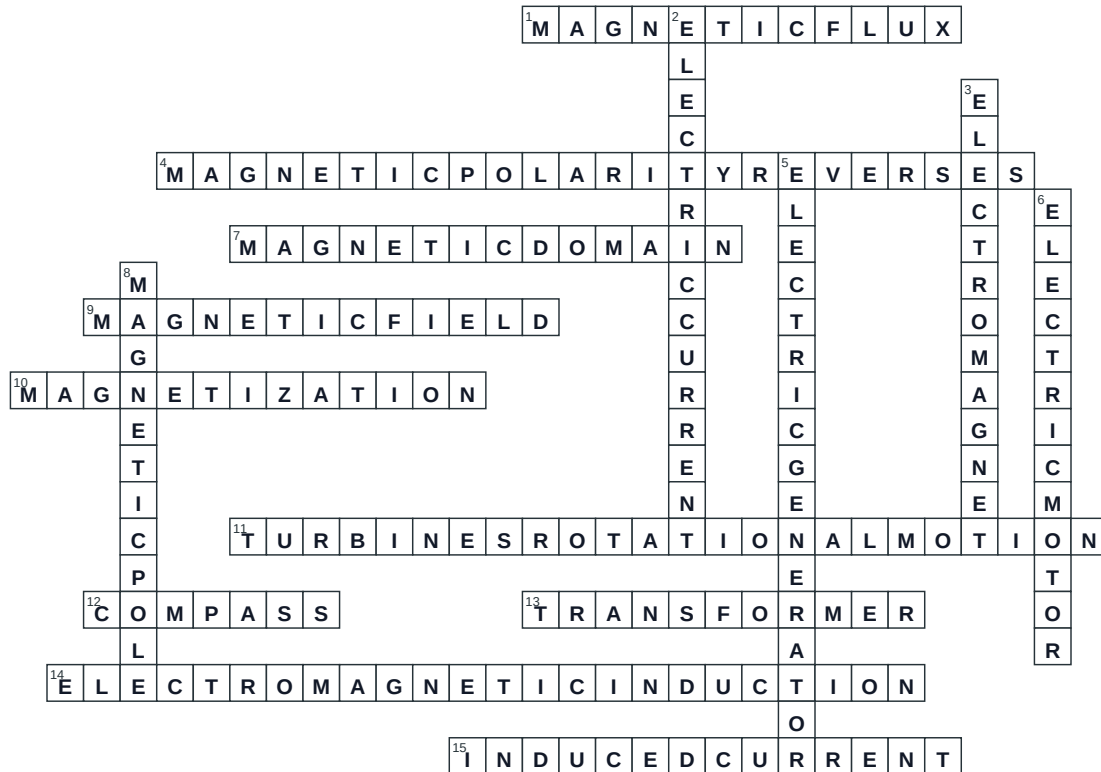
- 2. Creates a magnetic field around a wire
- 3. A device whose magnetism is produced by electric current
- 5. Device that converts mechanical energy into electrical energy
- 6. Device that converts electrical energy into mechanical energy
- 8. Region near an end of a magnet where its magnetic effect is strongest.

Magnetism and Electromagnetism Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

1. Magnetic flux
4. Magnetic Polarity Reverses
7. Magnetic domain
9. Magnetic field
10. Magnetization
11. Turbine's Rotational Motion
12. Compass
13. Transformer

ACROSS (continued)

14. Electromagnetic Induction
15. Induced current

DOWN

2. Electric Current
3. Electromagnet
5. Electric Generator
6. Electric Motor
8. Magnetic pole