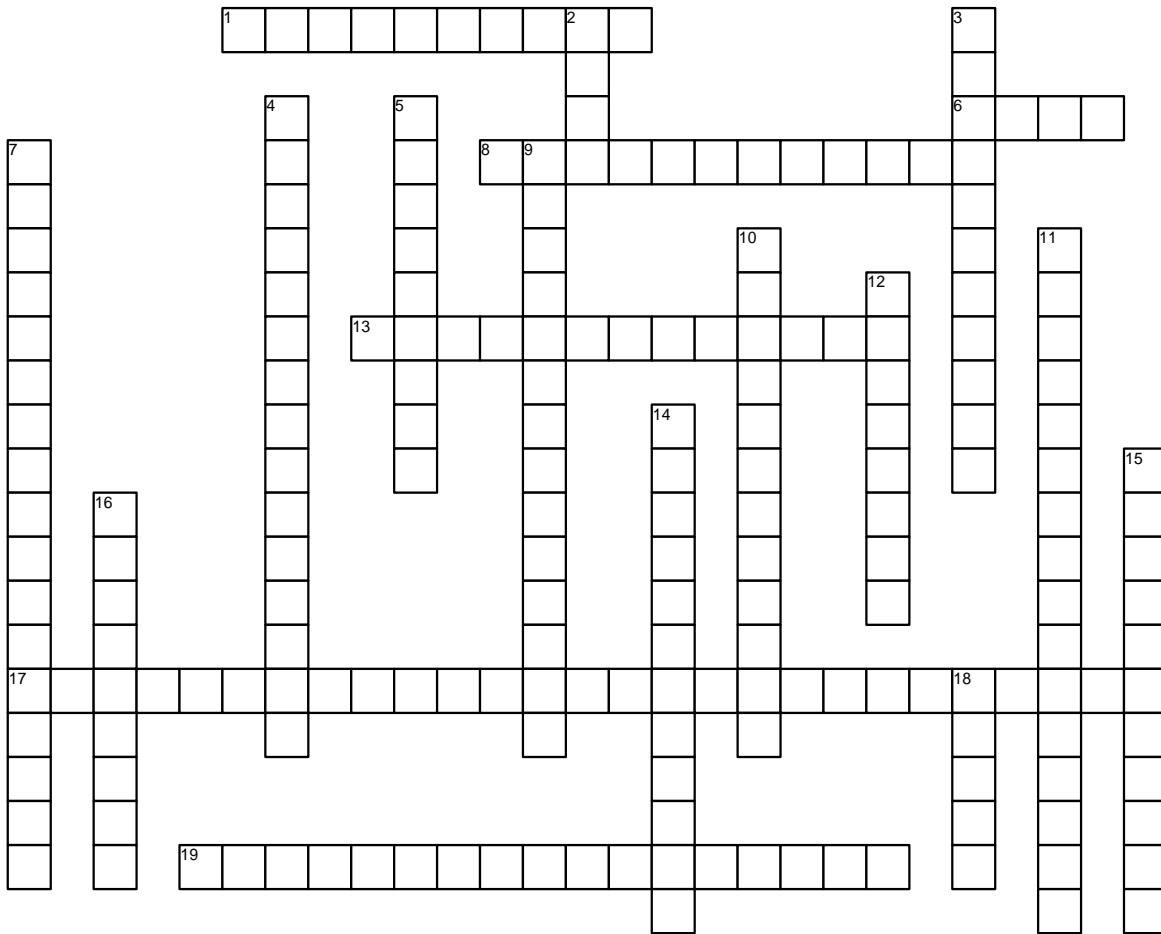


Magnetism And Electromagnetism

Chapter 47



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ACROSS

- 1 Air does not allow easy passage, so air has a high _____.
- 6 Lines of force come out of the north end, or _____ of a bar magnet and enter the other end.
- 8 The _____-_____ is a simple way to determine which direction the flux lines go.
- 13 Most automotive circuits use the conventional theory of current and, therefore, use the _____-_____ to determine the direction of the magnetic flux lines.
- 17 Until the advent of onboard computers, _____

- _____ was not a real source of concern.
- 19 The process of creating a magnet by using a magnetic field is called _____.

DOWN

- 2 The self-induced voltage that opposes changes in current flow is an inductor called _____.
- 3 The magnetic field strength is often expressed in the units called _____-_____.
- 4 _____ means that the expansion or collapse of the magnetic field around one coil induces a voltage in the second

- coil.
- 5 Another name for magnetic lines of force is _____.
- 7 If the metal removed from the magnetic field, and it retains some magnetism, this is called _____.
- 9 Coils with an iron core are called _____.
- 10 Some materials allow the force to pass through more easily than others, this degree of passage is called _____.
- 11 The interaction and relationship between magnetism and electricity is known as _____.
- 12 An induced current

- moves so that its magnetic field opposes the motion that induced the current, this principle is called _____.
- 14 Another name for magnetic lines of force is _____.
- 15 _____ refers to the number of lines per unit area.
- 16 _____ is a form of energy that is caused by the motion of electrons in some materials.
- 18 A _____ is a control device that allows a small amount of current to control a large amount of current in another circuit.