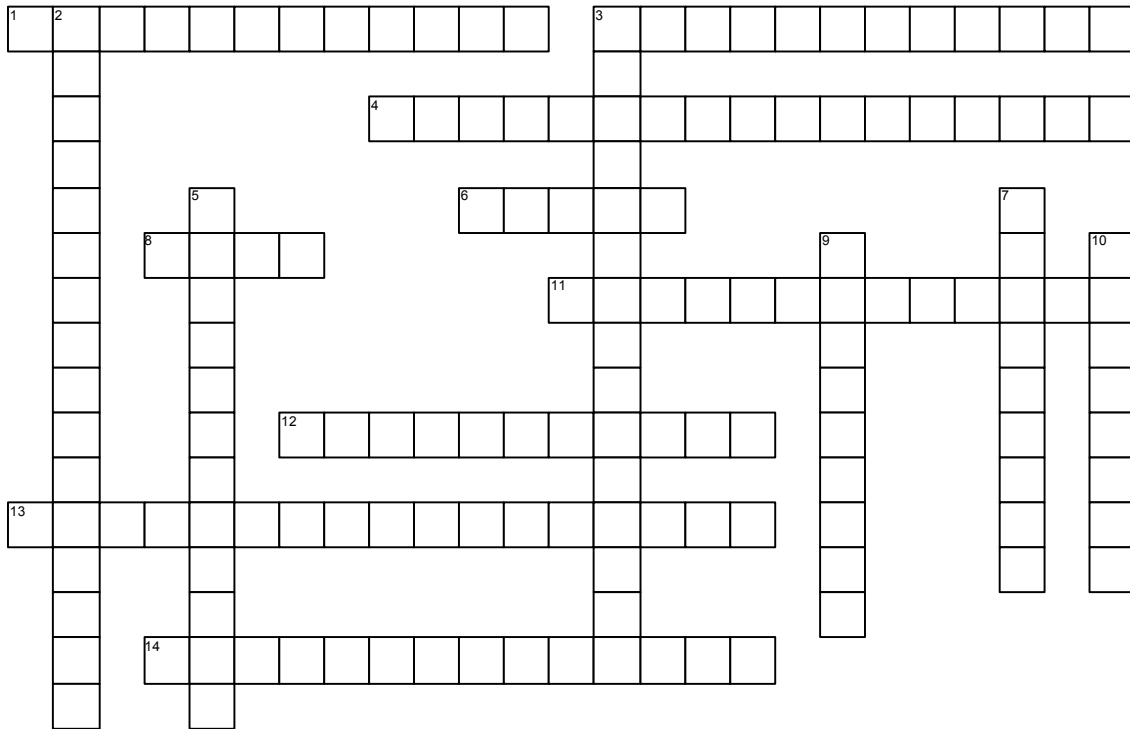


Magnetism And Electromagnetism

Chapter 47



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ACROSS

- 1 Some materials allow the force to pass through more easily than others, this degree of passage is called _____.
- 3 Another name for magnetic lines of force is _____.
- 4 The process of creating a magnet by using a magnetic field is called _____.
- 6 A _____ is a control device that allows a small amount of current to control a large amount of current in another circuit.
- 8 The self-induced voltage that opposes changes in current flow is an inductor called _____.
- 11 Most automotive circuits use the conventional theory of current and, therefore, use the _____ - _____ to determine the direction of the magnetic flux lines. □
- 12 The magnetic field strength is often expressed in the units called _____ - _____.
- 13 If the metal removed from the magnetic field, and it retains some magnetism, this is called _____.
- 14 Coils with an iron core are called _____.

DOWN

- 2 The interaction and relationship between magnetism and electricity is known as _____.
- 3 _____ means that the expansion or collapse of the magnetic field around one coil induces a voltage in the second coil.
- 5 The _____ - _____ is a simple way to determine which direction the flux lines go.
- 7 Another name for magnetic lines of force is _____.
- 9 _____ is a form of energy that is caused by the motion of electrons in some materials.
- 10 An induced current moves so that its magnetic field opposes the motion that induced the current, this principle is called _____.