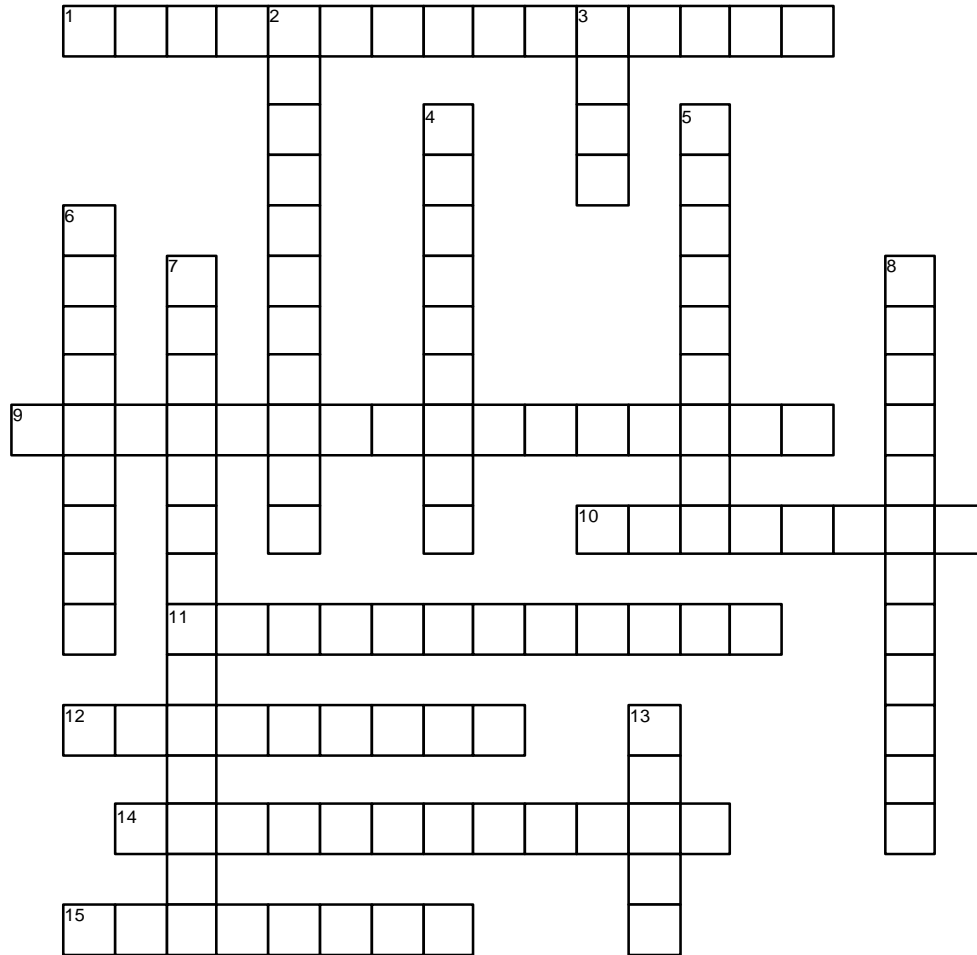


# Magnetism And Electromagnetism

## Chapter 11



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### ACROSS

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

### DOWN

- The magnetic field strength is often expressed in the units called \_\_\_\_\_-\_\_\_\_\_.
- The self-induced voltage that opposes changes in current flow is an inductor called \_\_\_\_\_.
- Most automotive circuits use the conventional theory of current and, therefore, use the \_\_\_\_\_-\_\_\_\_\_ rule to determine the direction of the magnetic flux lines.
- The process of creating a magnet by using a magnetic field is called magnetic \_\_\_\_\_.
- Another name for magnetic lines of force is \_\_\_\_\_.
- Coils with an iron core are called \_\_\_\_\_.
- Some materials allow the force to pass through more easily than others, this degree of passage is called \_\_\_\_\_.
- A \_\_\_\_\_ is a control device that allows a small amount of current to control a large amount of current in another circuit.