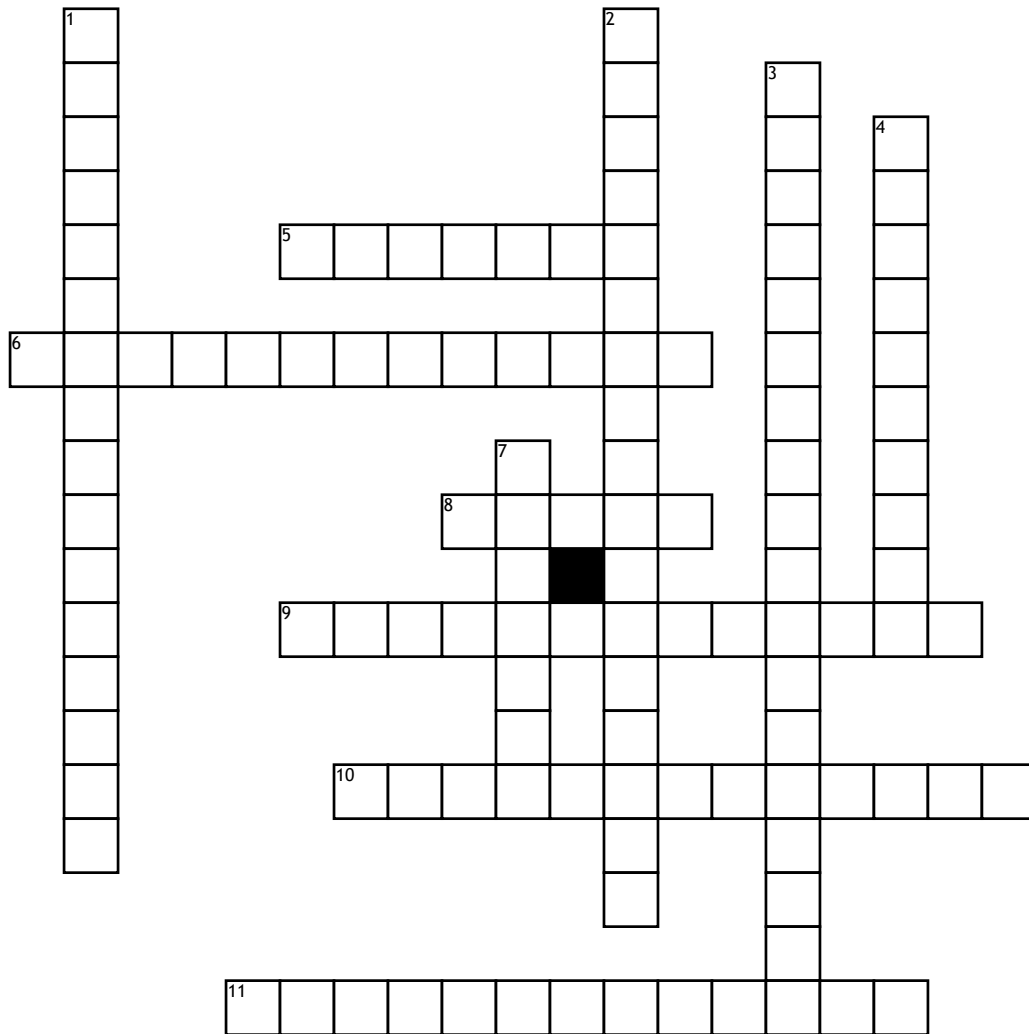


# Circuits



**Across**

- 5. a horizontal movement of water in a well-defined pattern such as a river or stream
- 6. a circuit in which parts are joined one after another such that the current in each part is the same
- 8. a quantity that measures the rate at which work is done or energy is transformed
- 9. a coil that has a soft iron core and acts like a magnet when an electric current is in the coil
- 10. an electric current flowing in one direction only
- 11. a device that converts electrical energy into mechanical

**Down**

- 1. a circuit in which parts are joined in branches such that the potential difference across each part is the same
- 2. a machine that converts one form of energy into another
- 3. a current that reverses its direction many times a second at regular intervals
- 4. the opposition presented to the current by a material or device
- 7. the potential difference or electromotive force measured in volts

**Word Bank**

- |                     |                   |                |               |
|---------------------|-------------------|----------------|---------------|
| alternating current | resistance        | electric motor | current       |
| electric generator  | parallel circuits | Series Circuit | electromagnet |
| direct current      | voltage           | power          |               |