

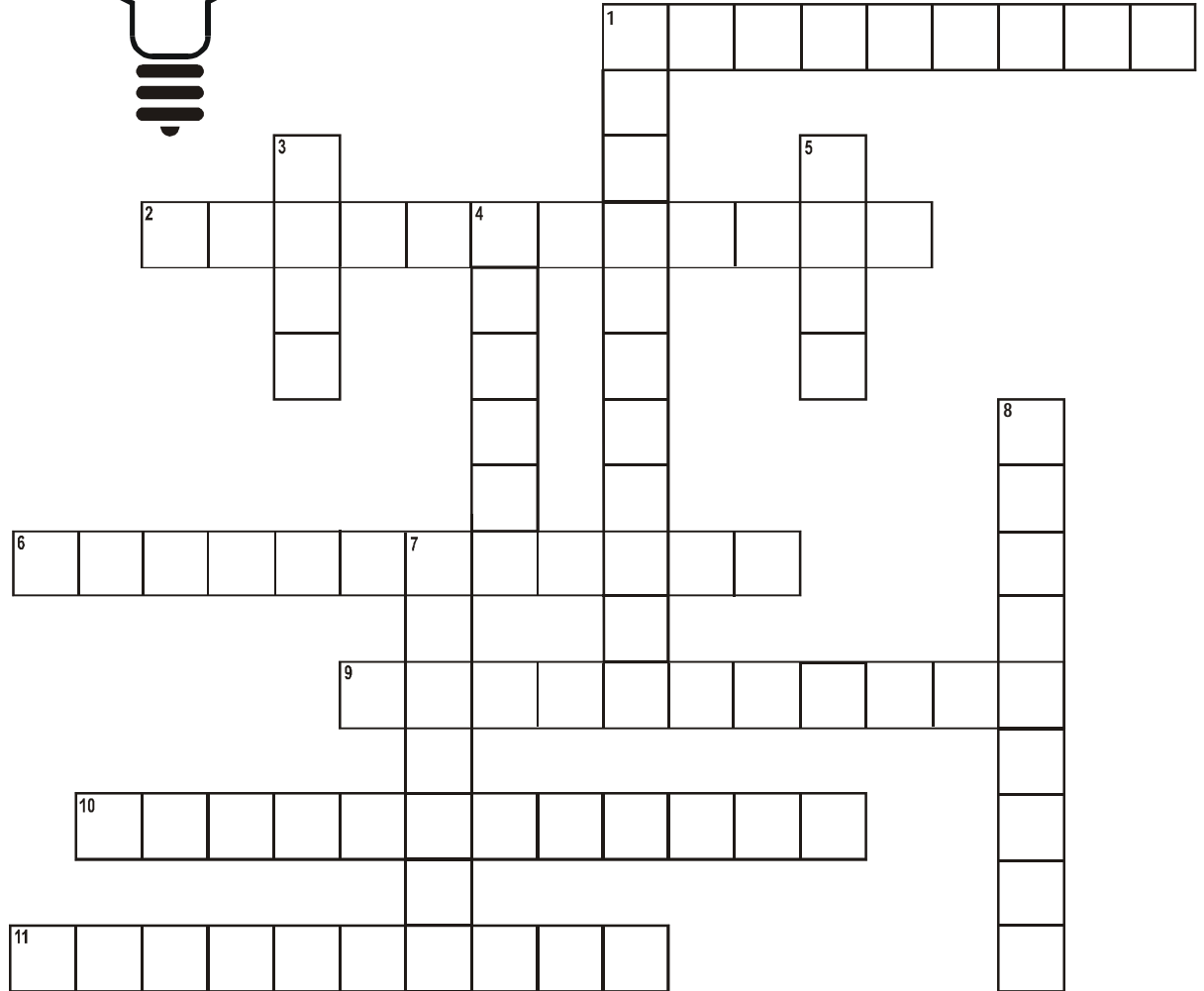
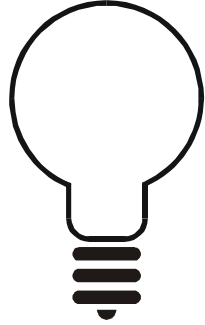
# ELECTRICITY

Write the correct word for each definition in the blank space. Use each word only once.

1. A substance in which all atoms are identical. \_\_\_\_\_
2. The center of an atom. \_\_\_\_\_
3. The negatively-charged particle of an atom. \_\_\_\_\_
4. The positively-charged particle of an atom. \_\_\_\_\_
5. The particle in the nucleus an atom with no charge. \_\_\_\_\_
6. The smallest part of an element that retains the element's characteristics. \_\_\_\_\_
7. An electrical force within an atomic particle. \_\_\_\_\_
8. The areas around the nucleus where electrons are located. \_\_\_\_\_
9. The force field created between the poles of a magnet. \_\_\_\_\_
10. Electrons that jump from object to object. \_\_\_\_\_
11. A device that does work in an electrical circuit. \_\_\_\_\_
12. A path through which electricity travels. \_\_\_\_\_
13. How like charges or poles of a magnet respond. \_\_\_\_\_
14. How opposite charges or magnetic poles respond. \_\_\_\_\_
15. An object in which the electrons at one end spin in one direction and the electrons at the other end spin in an opposite direction. \_\_\_\_\_
16. A device that converts energy into a spinning motion. \_\_\_\_\_
17. A device with magnets and coils of wire that produces electricity. \_\_\_\_\_
18. A device that produces electricity through a chemical reaction. \_\_\_\_\_

nucleus	atom	element	proton	neutron	electron	shells	static
load	turbine	generator	magnetic field	magnet	circuit	battery	
attract	repel	charge					

# ELECTRICITY



## ACROSS

1. Electricity is a \_\_\_\_ source of energy.
2. \_\_\_\_ lines send electricity over a nationwide network.
6. A \_\_\_\_ is the amount of energy used in one hour by ten 100 watt light bulbs.
9. Electricity is sent to a \_\_\_\_ that "steps up" the voltage.
10. \_\_\_\_ lines deliver electricity to your home.
11. Thirty-five percent of the fuel is converted into electricity. This is called the \_\_\_\_ of the power plant.

## DOWN

1. \_\_\_\_ are small buildings containing transformers and electrical equipment.
3. A \_\_\_\_ is a measure of the electric power an appliance uses.
4. A \_\_\_\_ is found in a generator and motor.
5. \_\_\_\_ is the fossil fuel that makes the most electricity.
7. High pressure steam turns the blades of a \_\_\_\_.
8. A \_\_\_\_ houses magnets and a spinning coil of copper wire.