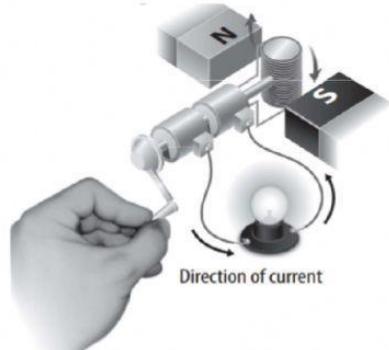


### Multiple Choice

*Identify the letter of the choice that best completes the statement or answers the question.*

6. A material that conducts electricity under certain conditions only is a(n)

- a. semiconductor.
- b. insulator.
- c. vacuum tube.
- d. conductor.



7. What kind of energy are you providing as you turn the crank on a simple electric generator?

- mechanical
- potential
- electrical
- magnetic

8. Electromagnetic waves are produced by \_\_\_\_.

- magnetic fields
- electromagnetic energy
- charged particles in motion
- positive and negative charges

9. The function of a lightning rod is to

- make an object lighter.
- prevent short circuits in a building's wiring.
- protect a building from damage due to lightning.
- produce lightning.

10. The region around a magnet where the magnetic forces act is the

- magnetic attraction
- magnetic field
- electromagnetic
- magnetic pole

