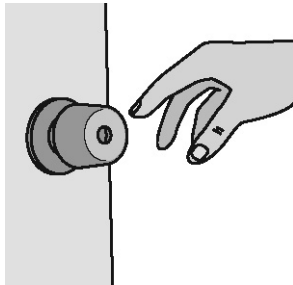


What Is Electricity?

1 After walking across a carpet, a boy feels a spark between his hand and a doorknob.



If the boy's hand is negatively charged just before he touches the doorknob, which particles moved from the carpet to his hand?

- (A) atoms
- (B) electrons
- (C) neutrons
- (D) protons

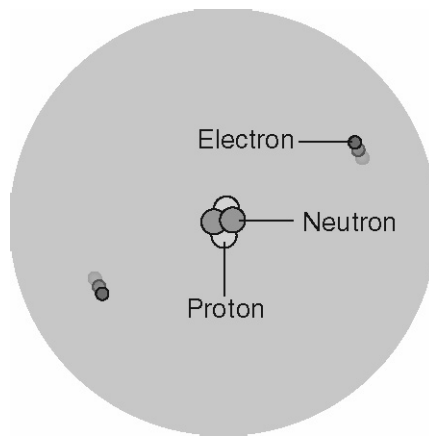
2 Which of the following is lightning an example of?

- (F) electric charge
- (G) electric current
- (H) static electricity
- (I) electrostatic discharge

3 What is static electricity?

- (A) a flow of electrons
- (B) an electrostatic discharge
- (C) a repelling between electrons
- (D) a buildup of electric charge on something

4 This diagram shows the particles that make up an atom.



Which particle of an atom is positively charged?

- (F) electron
- (G) neutron
- (H) proton
- (I) both proton and neutron

5 Why are metals good conductors of an electric current?

- (A) Metals do not melt easily.
- (B) A metal also conducts heat.
- (C) Nonmetals do not conduct an electric current.
- (D) A metal contains electrons that can move through it easily.