

**Content Practice A****LESSON 1*****Electric Charge and Electric Forces***

**Directions:** Complete the cause-effect chart with the correct sentence from the list in the space provided. Each sentence is used only once.

**A flash of light, called lightning, occurs.**

**An unbalanced charge forms on the object.**

**Electric force is applied to other charged objects.**

**Electrons move from one object to another.**

**The objects attract each other.**

**The objects repel each other.**

<b>Cause</b>	<b>Effect</b>
Electrons move from one object to another.	<b>1.</b>
Some materials hold electrons more loosely than other objects.	<b>2.</b>
An electric field surrounds every charged object.	<b>3.</b>
Two negatively charged objects come near each other.	<b>4.</b>
One negatively charged object and one positively charged object come close to each other.	<b>5.</b>
Huge amounts of electrons move from a storm cloud to the ground (electric discharge).	<b>6.</b>

**Content Practice B**

**LESSON 1**

**Electric Charge and Electric Forces**

**Directions:** Respond to each statement on the lines provided.

- 1. You place the ends of two magnets near each other and feel the magnets pull on each other. **Explain** this event.

---

---

---

---

- 2. You run a brush through your hair. Your hair seems to hold itself in midair when you take the brush away. As you move the brush farther away, your hair falls downward. **Explain** this event.

---

---

---

---

- 3. You are asked to purchase a new electric cord. You read a sign at the store that shows how the copper inside each cord is surrounded by plastic insulation. **Explain** why plastic is used to wrap the copper wires inside the electric cord.

---

---

---

---

- 4. You are at a friend's farm and notice a metal rod at the top of the tallest barn. A wire from the metal rod seems to go into the ground. You tell your friend what you learned in class about electric discharge. **Explain** why the metal rod has been placed on the barn.

---

---

---

---

Copyright © Glencoe/McGraw-Hill, a division of The McGraw-Hill Companies, Inc.