PreIBSc9 Spindlove Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**ELECTRICITY UNIT**

**7.1 + 7.2 STATIC ELECTRICITY**

**There are two types of electricity:**

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Electricity** – is a build-up of charge that remains *\_\_\_\_\_\_\_\_\_\_\_\_\_\_* in one place
2. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Electricity** – is *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* charges (usually through a wire)

**Charges in the Atom**

* If an electron is ***removed*** from a neutral atom, the atom becomes **\_\_\_\_\_\_\_\_** charged
* If an electron is ***added*** to a neutral atom, the atom becomes **\_\_\_\_\_\_\_\_\_** charged
* The movement, or **\_\_\_\_\_\_\_\_\_\_\_\_\_\_-** of electrons from one atom to another changes

the \_\_\_\_\_\_\_\_\_\_\_\_\_ of the atom.

**Friction and Electron Transfer**

* Friction occurs when objects **\_\_\_\_\_\_\_\_** against each other
* Results in one object **\_\_\_\_\_\_\_\_\_\_\_\_** electrons and the other **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** electrons

**Law of Static Charge**

* The unit of electric charge is called the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** (C).
* It takes the addition or removal of **6.25 x 1018** electrons to produce **\_\_\_\_\_\_\_\_** of charge.
  + A typical lightning bolt can carry 5 C to 25 C of charge.
* Electric **force** is **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** to **charge**.
  + If you á the amount of **\_\_\_\_\_\_\_\_\_\_\_\_\_**, you **\_\_\_\_\_\_** the electric **\_\_\_\_\_\_\_\_\_\_\_**.
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*Also*…

* + If you á the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**btwn charged objects, you \_\_\_\_\_ the **\_\_\_\_\_\_\_\_**.

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\*this relationship is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_