Name: _____ **WS 9.1 – 3**
Block: _____ Date: _____

Charged Objects and the Electrostatic Series

1. Describe the following:

Neutral object	
Positive object	
Negative object	

2. a) Name **3 materials** likely to **gain electrons**.

b) Name **3 materials** likely to **lose electrons**.

3. **True or False**

→ When a statement is false, rewrite it to make it true in the space provided

	a) A **loss of electrons** causes an object to become **positively charged**.
	b) **Neutral** objects have **more positive** than negative charges.
	c) Asbestos is **more likely** to **gain** electrons than silk.
	d) Neutral objects are **not attracted or repelled** to each other.

4. ***In your own words,*** what is the **induced charge separation?**

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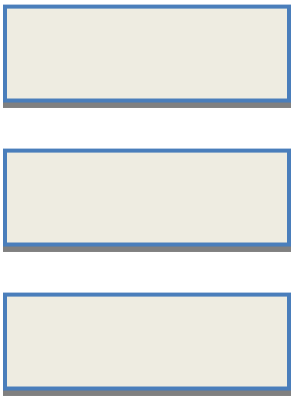
5. A **positively charged object** is brought near another object. If the 2 objects **repel**, what is the charge on the **2nd object?**

6. A **positively charged** object is brought near another object. The 2 objects **attract**. Does this prove that the **2nd object** is **negatively charged**? Explain why or why not.

7. When you rub **acetate** with a **paper towel**, the paper towel gets
   a) a **negative** charge
   b) a **positive** charge
   c) a **neutral** charge
   d) a debit charge

8. Using **+ and –** signs, fill in the following boxes to make a:



a) a **neutral** object

b) a **positive** object

c) a **negative** object