**NOTES 7.2: Electric Force** *Refer to text pages 258-260*

**What is a contact force?**

**Definition:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Eg.**

**What is an action-at-a-distance force?**

**Definition:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **Eg.**

**What are the 3 Laws of Static Charge?**

|  |  |
| --- | --- |
| 1.
2.

 |  |
|  | http://students.ed.uiuc.edu/ljgriffi/project/grifunit6/Staticballoon.GIF |

**What is charging by conduction? Use the diagram below to explain.**

****

**What is charging by induction? Use the diagram below to explain.**

****

**Using the diagram below, illustrate the charges ( + and - ) to explain why a negatively charged balloon is attracted to a neutral wall.**

****

**Is this charging caused by induction or conduction?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**How do you know?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**