|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Full Name:** |  | **Date:** |  | **Block:** |  |
| **Partner:** |  |  |  |  |  |

# Lab 7-1C – Charging Insulators & Conductors

**Purpose:** To investigate how to produce a static charge in various objects and identify which ones are acts as insulators and conductors.

**Procedure:** Refer to Page 255 in the BC Science 9 Textbook.

**Data Collection:** Fill in the table below with your findings.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Solid Material** | **Soft Material** | **Number of Puffed Rice Grains Attracted** | **Observations** | **Insulator or Conductor** |
|  |  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Observations:**

|  |  |  |
| --- | --- | --- |
| 1. Which combination of objects attracted the most puffed rice? Is there a noticeable | | |
| trend in any of the objects? | |  |
|  |  | |
|  |  | |
|  |  | |
|  |  | |

|  |  |  |
| --- | --- | --- |
| 1. Why do you think it tis important to rub each material the same way? | |  |
|  |  | |
|  |  | |
|  |  | |
|  |  | |
|  |  | |

|  |  |
| --- | --- |
| 1. Why did you wipe the object with your bare hand before performing the next test? | |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

|  |  |  |
| --- | --- | --- |
| 1. Why did you select some objects as insulator and others as conductors? | |  |
|  |  | |
|  |  | |
|  |  | |
|  |  | |
|  |  | |