



## Static Electricity - Criteria B - practice

### Question 1

**Goal** - Your goal is to charge a polythene rod negatively charged by friction

**Role** - You are a student showing your understanding on the concepts of static electricity

**Audience** - Your target audience is your teacher.

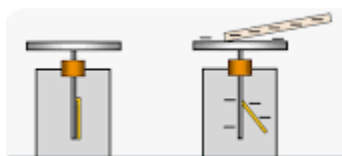
**Situation** - You are given a polythene rod and a duster. You have to explain how you will charge the polythene rod

**Performance** - You have to show with another experiment how to check if the rod is charged.

**Standards** - You will have to frame research and design as per the strand 1 and 4 of criteria B of MYP 5 science.

### Question 2

**Goal** - Your goal is to charge a pen by rubbing and check its charge by using gold leaf electroscope



**Role** - You are student demonstrating your knowledge on static electricity

**Audience** - Your target audience are the MYP 3 students

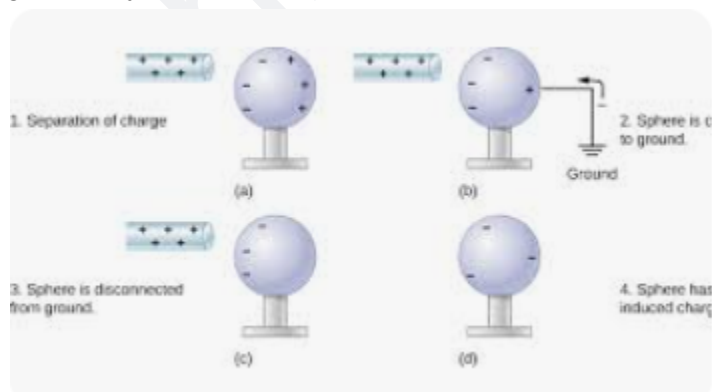
**Situation** - You are in a physics lab. You have to explain to the students the main parts of gold leaf electroscope and its working principle as background information

**Performance** - You have to prepare a lab report based on the above experiment including your research, your variables and how will you manipulate them, your hypothesis and scientific and practical methodology

**Standards** - You will be judged on how effectively you have catered to the strands of MYP 5 criteria B

### Question 3

**Goal** - Your goal is to charge a sphere negatively charged by induction. Below is a diagram given for your reference.



**Role** - You are a lab assistance demonstrating induction to MYP 5 students



Static Electricity - Criteria B - practice

**Audience** - Your target audience is students of MYP 5 class

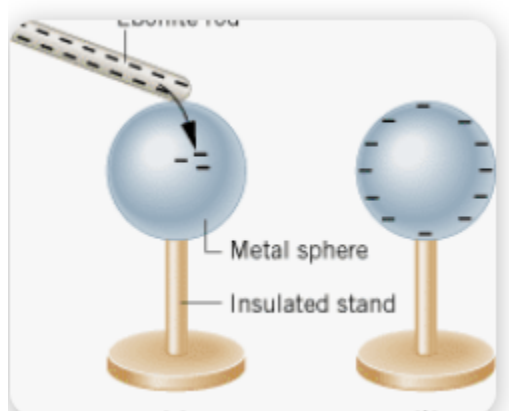
**Situation** - You are in a physics lab and are using two metal spheres, insulator stand, polythene rod, glass rod.

**Performance** - You have to make a brief note on induction first and explain your methodology step by step.

**Standards** - You will be assessed on strand iii ( frame a testable hypothesis ) and strand iv ( design a logical method ) of criteria B

#### Question 4

**Goal** - Your goal is to charge a sphere negatively charged by conduction . Below is a diagram given for your reference.



**Role** - You are a lab assistance demonstrating induction to MYP 5 students

**Audience** - Your target audience is students of MYP 5 class

**Situation** - You are in a physics lab and are using two metal spheres, insulator stand, polythene rod, glass rod.

**Performance** - You have to make a brief note on charging by conduction first and explain your methodology step by step.

**Standards** - You will be assessed on strand iii ( frame a testable hypothesis ) and strand iv ( design a logical method ) of criteria B