

SNC1D Assignment 3.2: Applications of Electrostatics Presentation

Part One

You will be assigned to a group and will learn about one of the following topics, from chapter 10.3 of your textbook:

- Lightning (pp 418-419)
- Lightning rods (pp 420-421)
- Electrostatic precipitator (pp 421-422)
- Electrostatic spray painting (pg 423)
- Van de Graff generator (pg 424)
- Photocopiers, etc. (pg 425)
- Radiation dosimeters (pg 427)
- E-waste (pp 422-423)

In your groups, you will have one period to prepare a 2-3 minute presentation on your topic, including a visual aid. The visual aid will be an 8.5 x 11" piece of paper; we will use a document camera to project it onto the screen. It can be either portrait or landscape. The visual will be shrunk down to 1/4 of its size to provide notes for the class, so you must make sure it is easy to read (i.e., aside from the title, no more than 6 words; clear diagrams; not too light to photocopy).

You will also, as a group, decide on how you will assign the marks in the co-constructed presentation rubric (example on the back). The visual aid and rubric must be handed in by the end of the period. If there are any problems with the rubric, I will make comments that will ask you to fix it. If it does not get fixed (or the rubric is not completed), I will distribute the extra marks as I see fit.

Date of work period: _____

Part Two

As a group, you will present your topic to the class. Everyone in the group must participate in the presentation (note: that does not necessarily mean that everyone must speak). You may not read a prepared speech; learn the material in such a way that you can speak from your own knowledge. Aim for TED talk quality. You must refer to your visual aid during the presentation. You may use jot notes to help you remember key points.

As a spectator, you will take additional notes on the handout provided at the beginning of class. The notes you take will help you study for the test, where one question will be "For each of two of the electrostatics applications presented in class, describe (concisely) two *scientific* aspects."

Date of presentation: _____

If a member of your group is absent for the presentation, you will present all the material without them, so be prepared for that. If you are absent for the presentation, you will present the entire topic to your teacher on your own.