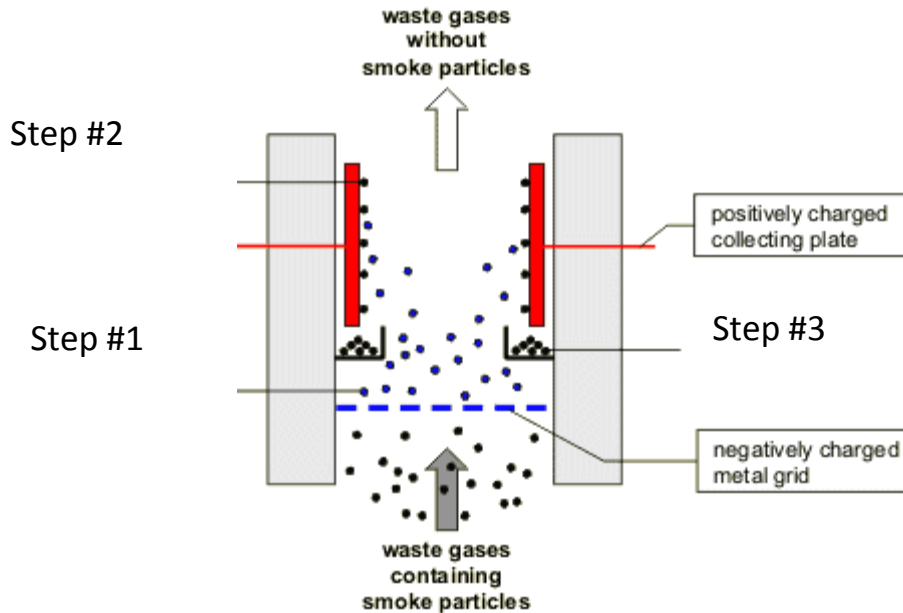


More Uses of Static Electricity

Remember the 1st example? _____

2nd Example: Electrostatic Precipitator (Cleaning up smoke!)



We burn a lot of fossil fuels (_____, _____ and _____)
to generate electricity. Burning fossil fuels produces a lot of soot or _____.

Many industries produce waste gases with soot. This pollution is not good for our general health and makes it hard to breath especially for asthmatic people. The electrostatic precipitator cleans out the soot.

After we talk about it, write down in your words how the electrostatic precipitator works.

Step #1 _____

Step #2 _____

Step #3 _____

Open Response Question:

You live in a town in which there are many industries that burn materials. The smoke stacks from these industries produce a lot of waste gas and soot. The electrostatic precipitators costs money. Industries like to make money. Do you think the industries should be forced to install electrostatic precipitators?

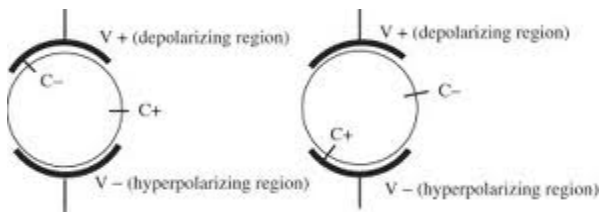
Checklist for best answer

- I answered the question with a full sentence
- I gave an example/fact to support my answer
- I explained how the example/fact relates to my answer

3rd Example: Defibrillator (Paddles to get heart going again)



Nerves tell your heart to keep pumping. Nerves are _____ in nature. When you have a _____ and your heart stops pumping, a defibrillator can get it going again.



Paddle 1 charging

Paddle 2 charging

Step #1

Step #2



After we talk about it, write down in your words how the electrostatic precipitator works.

Step #1 _____

Step #2 _____
