

What's In Our Air?

Air Pollutant Presentations



Objectives:

- Identify the sources of air pollutants
- Discuss the health and environmental effects from these air pollutants
- Describe preventive methods for mitigating (lessening) the effects of these air pollutants
- Create a visually appealing Powerpoint and quiz for your peers

Requirements:

1. Create a PowerPoint presentation covering the air pollutant assigned to you and your partner. You have ten minutes of time to present the information!
2. Presentation provides an organized, visually interesting, and efficient explanation of the information.
3. Create 6 multiple choice questions that covers the information in your presentation to be completed by your peers at the end of your presentation.

Questions that Need to be Answered in Your Powepoint:

1. What are at least 3 sources of this air pollutant? (What causes this air pollutant?)
2. Is this an indoor or outdoor air pollutant? Describe why. (PS...it can be both)
3. Is this a primary or secondary air pollutant? Describe why.
4. Describe at least two human health effects from exposure to this air pollutant.
5. Describe at least two environmental effects from exposure to this air pollutant.
6. How can we prevent or reduce levels of this air pollutant in our air? Describe how.

Rules for Powerpoint:

Your PowerPoint should contain the following:

- A Title Slide with your names
- A picture in every slide
- At least two (2) different backgrounds
- At least one (1) animation (can be a YouTube or other Internet clip...download before you get to class and out on flash drive)
- No **smaller** than **28 font used**
- 5 X 5 rule (no more than 5 bullets, 5 words per bullet)

Air Pollutants to be Presented...

- | | |
|---|---------------------------------------|
| -Particulate Matter (veronica, Daniel) | -Mold (Irma, Kim P.) |
| -Nitrous Oxides: (vanessa,kelly) | -Asbestos (Amanda,?) |
| -Sulfur Oxides: (mike,brandon) | -Formaldehyde (as an air pollutant) |
| -Carbon Oxides: (faith, sam) | -Polyvinyl Chloride (mishelle, ?) |
| -VOC Hydrocarbons: Methane (monica,Daniela) | -Lead (Magaly, ?) |
| -Tropospheric Ozone | -Radon: Uranium 238 (aaron, mordegay) |

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6. Create 6 multiple choice questions that covers the information in your presentation to be completed by your peers at the end of your presentation.

Questions that Need to be Answered in Your Powepoint:

7. What are at least 3 sources of this air pollutant? (What causes this air pollutant?)
8. Is this an indoor or outdoor air pollutant? Describe why. (PS...it can be both)
9. Is this a primary or secondary air pollutant? Describe why.
10. Describe at least two human health effects from exposure to this air pollutant.
11. Describe at least two environmental effects from exposure to this air pollutant.
12. How can we prevent or reduce levels of this air pollutant in our air? Describe how.

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Rubric for Air Pollutant Presentations

| Objective | Met | Not Met | Points | Notes from Teacher |
|--|-----|---------|--------|--------------------|
| 1. Did you correctly give 3 sources of the air pollutant? (2 points) | | | | |
| 2. Did you correctly identify the air pollutant as being an indoor/outdoor air pollutant? (2 points) | | | | |
| 3. Did you correctly identify this air pollutant as a primary or secondary air pollutant? (2 points) | | | | |
| 4. Was two human health effects explained? (2 points) | | | | |
| 5. Were two environmental effects explained? (2 points) | | | | |
| 6. Were prevention/reduction techniques discussed? (2 points) | | | | |
| 7. Did the group follow the 5 x 5 rule? (1 points) | | | | |
| 8. Did the group use a font that you could read? (1 points) | | | | |
| 9. Was the group's presentation visually appealing and easy to read? (3 points) | | | | |
| 10. Could you clearly hear ALL members of the group? (3 points) | | | | |
| 11. Was an animation/video provided in the presentation (3 points)? | | | | |
| 12. Was the presentation creative and entertaining (3 points)? | | | | |
| 13. Did the quiz cover all the important information? (4 points)? | | | | |
| TOTAL POINTS (OUT OF 30 POINTS) | | | | |

Rubric for Air Pollutant Presentations

| Objective | Met | Not Met | Points | Notes from Teacher |
|---|-----|---------|--------|--------------------|
| 14. Did you correctly give 3 sources of the air pollutant? (2 points) | | | | |
| 15. Did you correctly identify the air pollutant as being an indoor/outdoor air pollutant? (2 points) | | | | |
| 16. Did you correctly identify this air pollutant as a primary or secondary air pollutant? (2 points) | | | | |
| 17. Was two human health effects explained? (2 points) | | | | |
| 18. Were two environmental effects explained? (2 points) | | | | |
| 19. Were prevention/reduction techniques discussed? (2 points) | | | | |
| 20. Did the group follow the 5 x 5 rule? (1 points) | | | | |
| 21. Did the group use a font that you could read? (1 points) | | | | |
| 22. Was the group's presentation visually appealing and easy to read? (3 points) | | | | |
| 23. Could you clearly hear ALL members of the group? (3 points) | | | | |
| 24. Was an animation/video provided in the presentation (3 points)? | | | | |
| 25. Was the presentation creative and entertaining (3 points)? | | | | |
| 26. Did the quiz cover all the important information? (4 points)? | | | | |
| TOTAL POINTS (OUT OF 30 POINTS) | | | | |