



Lab Guide to Air Quality Index

Here are 20 questions about air quality. Browse through the website <http://www.airnow.gov/index.cfm?action=aqikids.index> to find the answers and fill them in.

1. On a clear breezy day, how does the air smell? _____
2. On a hot day with no wind, how does the air feel? _____
3. When too much dirt and chemicals get into the air, what do people call the air? _____
4. Where are you most likely to notice if the air is dirty? _____
5. What is the name of the disease that makes some people have trouble breathing in polluted air? _____
6. What can dirty air look like? _____
7. Since we can't always see dirty air, what has been created to help us? _____
8. At least how many places does the EPA take samples of the air? _____
9. What are the two most common air pollutants in this country? _____
10. Is ozone always bad? _____ Explain. _____

11. Explain what particulate matter is. _____
12. How should you reduce exposure to particulate matter when the AQI is orange or worse? _____
13. What is an index? _____
14. Finish this rhyme, "When the AQI is green, _____"
15. Maroon is not usually shown on the AQI. Why not? _____
16. What range of numbers does the Air Quality Index use? _____
17. By using the links provided on the page, what is the AQI for today? _____
18. What are some examples of groups who are "sensitive" to poor air quality? _____
19. How can you tell if air pollution is affecting you? _____
20. What can you do to reduce air pollution? List 3 ways. _____

Now that you have completed answering these questions, you may visit the games and other websites that teach you more about air quality.