

Lesson 4: What's Your Air Quality?



Name: _____ Date: _____

Introduction

The picture to the right shows one of Maricopa County's air monitoring stations. Each station is equipped with special sensors that detect and measure pollutants in the air. Data from these stations can tell us how good or bad the air is. This information is reported to people using colors and numbers from the Air Quality Index.

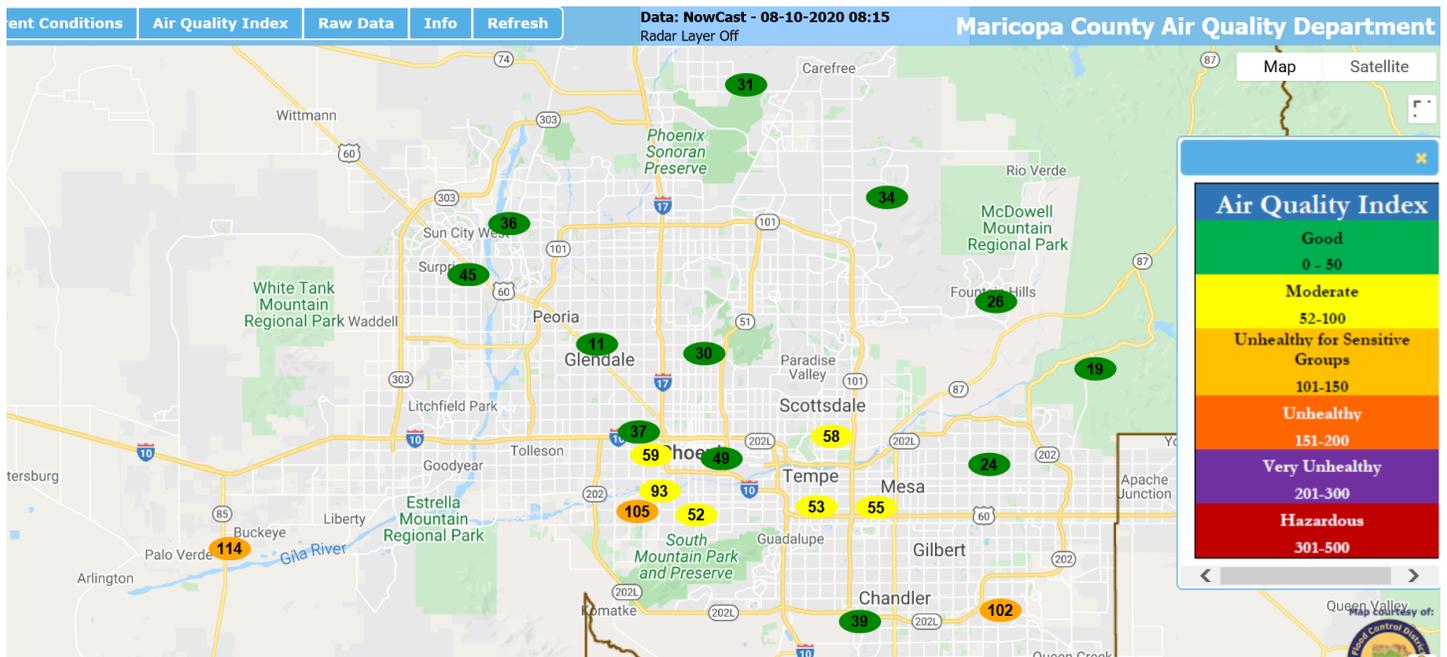


Guide to Air Quality Index Categories



Directions

Look at the picture of the Maricopa County Air Monitoring Map below. The map shows what the air quality was like on the day the picture was taken. Each colored oval is an air monitoring station. The colors and numbers tell you what the air is like according to the Air Quality Index. Use the information from the map to answer the questions on the My Data page.



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My Data

1. Use the map on the previous page to count the air monitoring stations by color. Record your answers in the table below.

Green (0-50)	Yellow (51-100)	Orange (101-150)	Red (151-200)	Purple (201-300)	Maroon (301-500)

2. Record the lowest and highest AQI values displayed on the map.

Lowest AQI Number	Highest AQI Number

3. Which city on the map had the **worst** air quality on the day the picture was taken? Which city had the **best** air quality? Explain how you know.

Worst Air Quality	Best Air Quality

4. You and your best friend are making plans for the day. Your best friend has asthma, so you check the air monitoring map to find out the AQI. Based on the map from the previous page, will you and your friend plan indoor or outdoor activities? Why? Use evidence to explain your answer.