

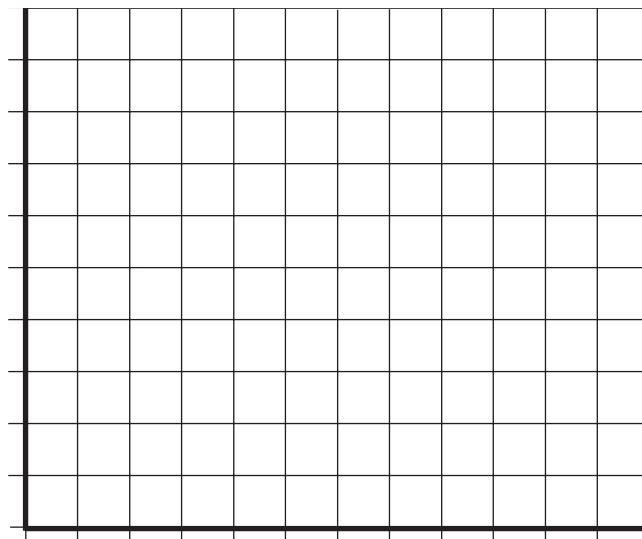
Name _____



Exploring the AQI

- The weather forecast is for a maximum temperature of 50°F, light wind, and rain.
What color do you think the AQI is and the related health message might be? Why?
- The weather forecast is for a maximum temperature of 90°F, high pressure, clear skies, and no wind.
What color do you think the AQI is and the related health message might be? Why?
- Graph the following information about the mean concentration of ozone and NO_x in the Detroit area during April through October, 1998-2002.

	Ozone, ppb	NO _x , ppb
0	20	40
2	20	40
4	10	40
6	10	60
8	20	80
10	30	50
12	40	30
14	50	30
16	50	40
18	40	40
20	30	50
22	20	50
24	20	40



- Describe what happens to ozone levels during a 24-hour period.
- Why does NO_x increase in early morning and decrease in late morning?