

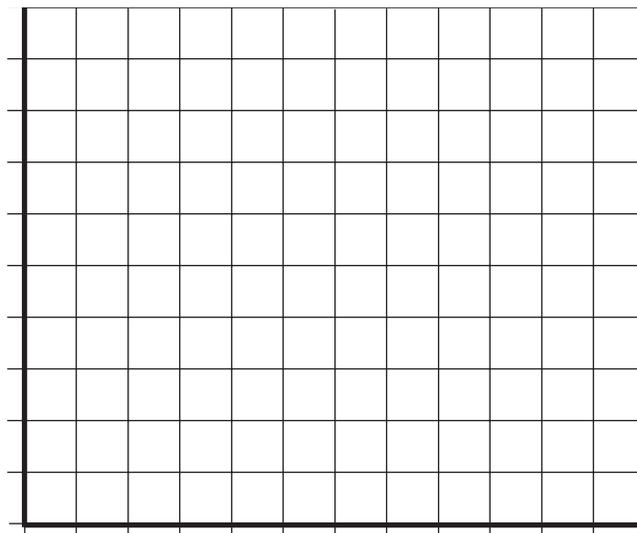


Name _____

Exploring the AQI

1. 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?
2. 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?
3. 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



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