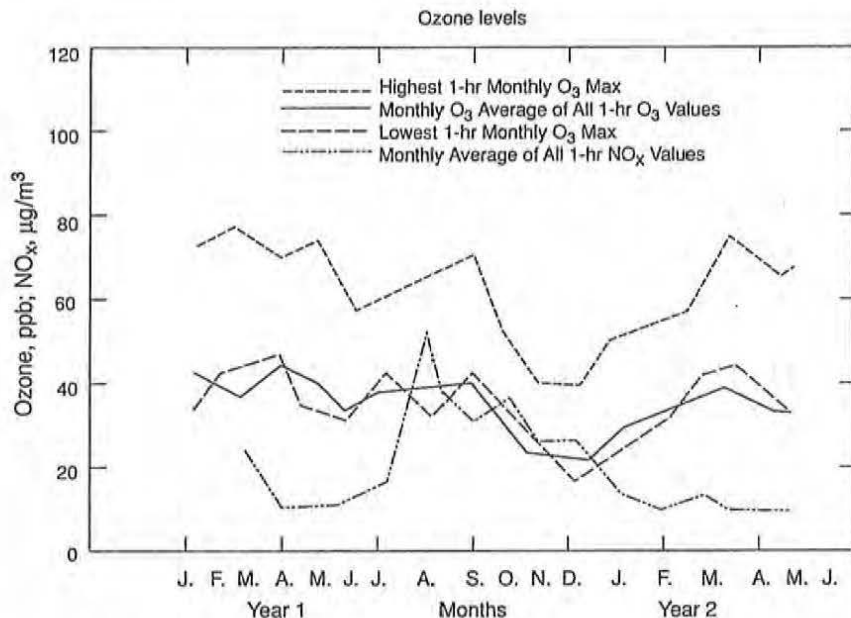


PASSAGE III

The amount of oxidant (NO_x) and ozone (O_3) was measured every hour from January in Year 1 through May in Year 2. The oxidant was measured in milligrams per cubic

meter of air while ozone was measured in parts per billion. The figure below shows the highest hourly measurement of ozone in each month, the lowest hourly measurement of ozone in each month, and the monthly average of ozone and oxidant levels.



- What is the relationship between average oxidant level and the highest hourly ozone level?
 - As oxidant levels increase, the ozone level decreases.
 - As oxidant levels increase, the ozone level increases.
 - Oxidant levels and ozone levels are generally unrelated.
 - There is a direct relationship between ozone levels and oxidant levels.
- During which month was the average monthly ozone level lowest?
 - December
 - February
 - April
 - June
- A finding that particulate (visible) oxidants were at their lowest levels in August would be consistent with a finding that:
 - ozone levels were highest.
 - ozone levels were lowest.
 - gaseous oxidant levels were highest.
 - gaseous oxidant levels were lowest.
- The amount of oxygen in the air is reduced by the amount of oxidant. Based on this information and the figure, in which of the months listed would the air be the most oxygen rich?
 - May
 - August
 - November
 - January
- Researchers frequently use oxidant/ozone ratios to measure air quality. Using the data in the figure above for monthly average oxidant and ozone levels, in which of the following months would the oxidant/ozone level be highest?
 - June
 - April
 - February
 - November