

Air Pollution: What's the Solution? Traditional/Analysis Assessment

Name: _____

Circle the best response:

1) For ground level ozone to form, the weather conditions must be:

- a) cold, rainy and very windy
- b) cold, rainy and no wind
- c) warm, overcast and windy
- d) hot, sunny and windy
- e) hot, sunny and little wind

2) For ground level ozone to form:

- a) CO₂, NO_x, and CO must be present
- b) CO₂, NO_x and O₂ must be present
- c) NO_x, SO_x and CO₂ must be present
- d) NO_x, SO_x and VOCs must be present
- e) NO_x, VOCs and CO₂ must be present

3) Prolonged exposure to ground level ozone can cause:

- a) lung damage
- b) plant damage
- c) lung, but not plant damage
- d) plant, but not lung damage
- e) lung and plant damage

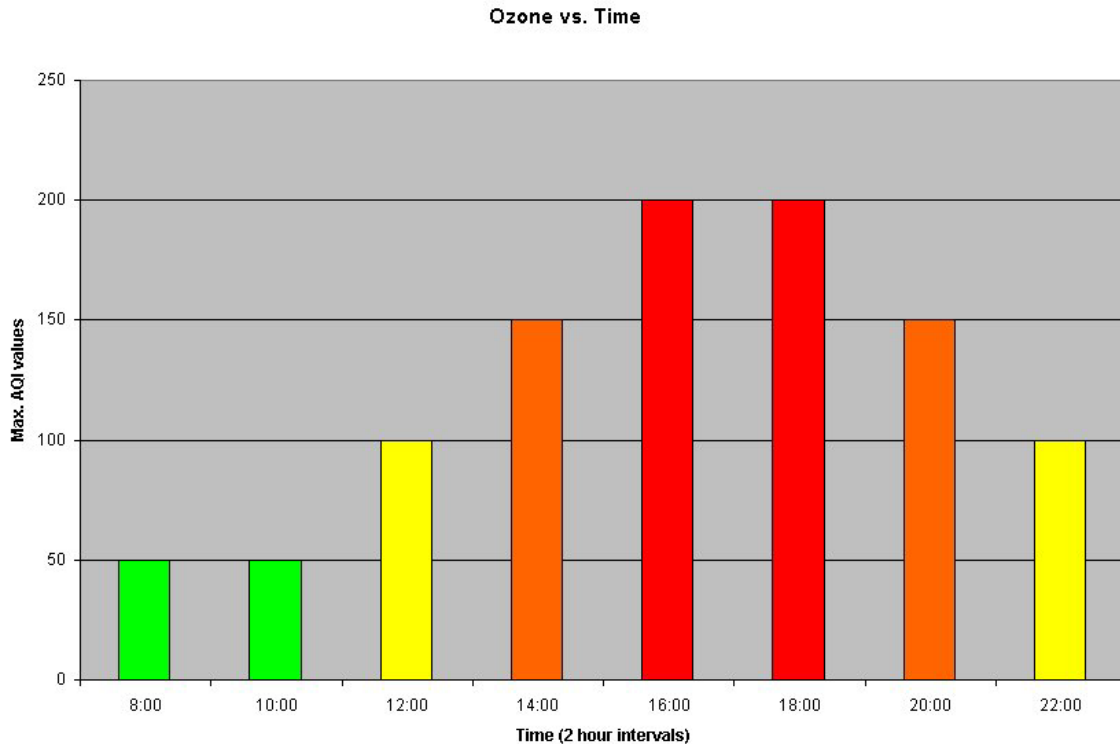
4) To predict if there might be ground level ozone in your area, you could:

- a) check the weather report
- b) check the pollen report
- c) check the AIRNow web site
- d) check the AIRNow web site and the weather report
- e) none of the above

5) You can help prevent ground level ozone from forming by:

- a) drive less
- b) carpool
- c) make sure household solvents are tightly sealed
- d) conserve electricity
- e) all of the above

Use the bar graph to answer the following questions:



3) What does this graph represent? What is the relationship between the presence/amounts of ground level ozone and time of day?

4) Pretend you own and operate a Daycare Center. It is the middle of July and the children always want to play outside. As a responsible adult, you know that sunburn can be an issue, so you make sure that all the children have sunscreen applied before going outside play to prevent the children from being exposed to harmful levels of UV rays. But recently you heard about an Ozone Action Day happening in your area. You now wonder if it would be safe for the children to play outside during an Ozone Action Day. What could you do as a responsible owner of a Daycare Center to prevent the children from being exposed to harmful levels of ground level ozone during playtime?