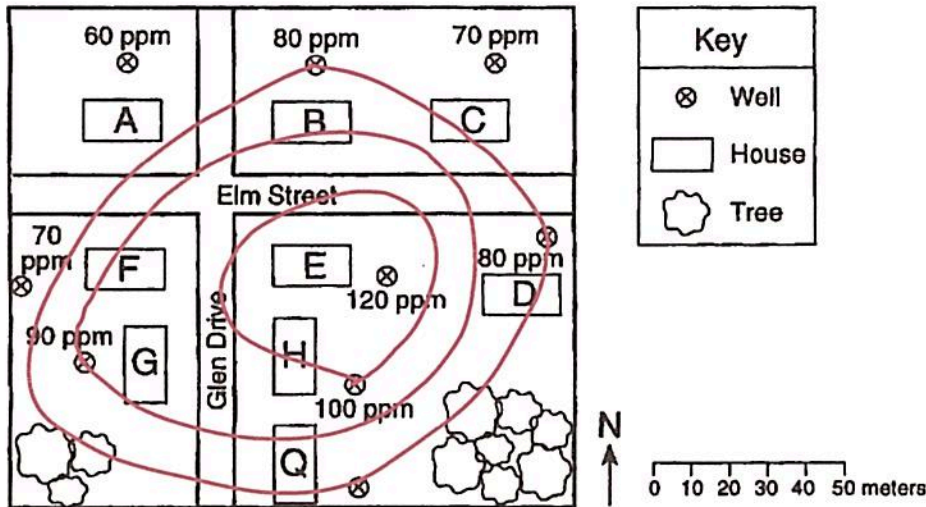
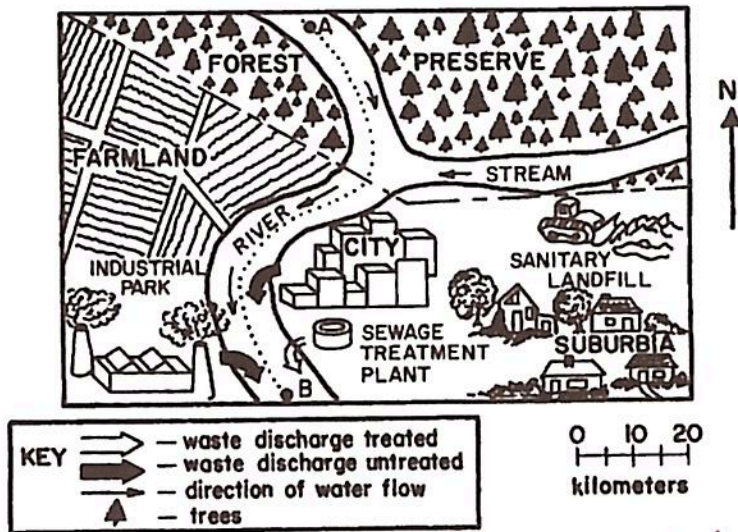


Use the following map to answer questions 1-3



1. Which house is probably the source of the pollution? E
2. What is a possible pollution concentration for house Q? 80 ppm
3. Draw in isolines for the 80 ppm, 90 ppm and 100 ppm.

Use the following map to answer questions 4-8.



4. Which area has been least affected by human activities? Forest/preserve
5. Why would the water at location A be cleaner than the water near location B?  
Farther upstream from pollution source
6. What type of pollution would be seen on a farm?  
soil pollution Fertilizer/weed + bug killer
7. After a rain storm which location would have the greatest amount of runoff? Why?  
Industrial Park → lots of solid surfaces/roads
8. After a rain storm which location would have the greatest amount of infiltration? Why?  
Farm/preserve · Exposed ground

Use the following pictures to answer questions 9-12.

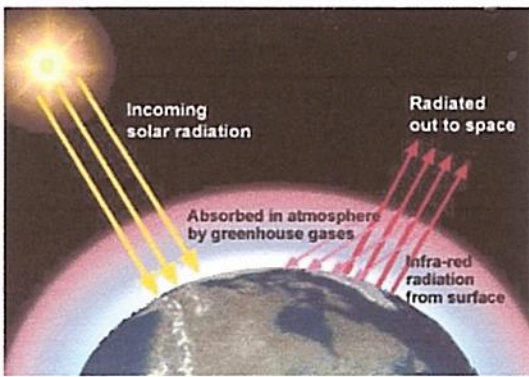


Figure 1

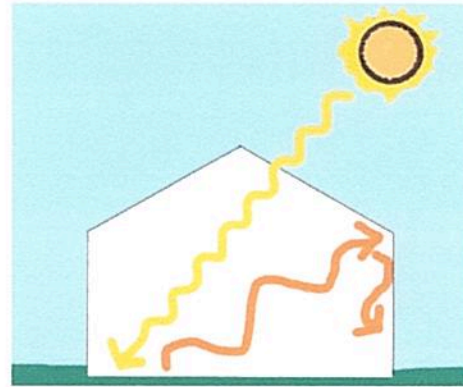


Figure 2

9. How does carbon dioxide get into the atmosphere? *burning fossil fuels*

10. What are both of these pictures symbolizing?

*Greenhouse Effect*

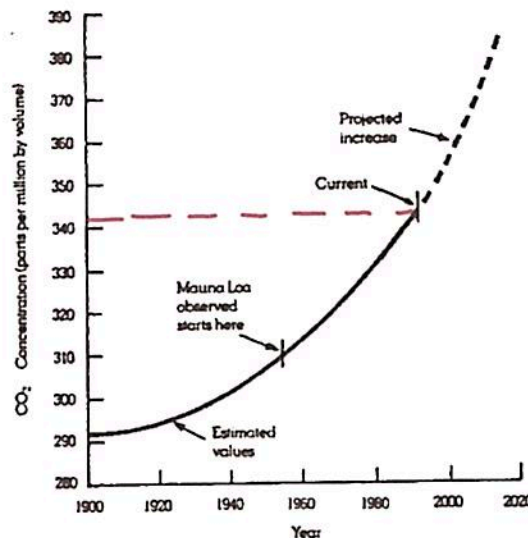
11. What is a negative effect of too much carbon dioxide in the atmosphere?

*Global temp rise → ice caps melt*

12. Name at least two precautionary measures that could be made to prevent the addition of more carbon dioxide into the atmosphere.

*car pool mass transit hybrid cars*

Use the following graph to answer questions 13-15.



14. What is the current concentration of carbon dioxide? *~340 ppm*

15. What could have caused an increase in carbon dioxide in the 1920's?

*greater car production / greater population*

16. What could happen to the polar ice caps and eventually Long Island if this trend continues?

*melt and ocean water will submerge LI*