

Quiz questions - environmental chemistry

- The Earth does not directly provide which of man's basic needs?
 - Water
 - Air
 - Food
 - Shelter

D. Shelter
- Which of these is not released from burning fossil fuels?
 - Carbon dioxide
 - Sulphur dioxide
 - Copper oxide
 - Nitrogen oxides

C. Copper oxide
- Dissolved pollutant gasses can form:
 - Ozone
 - Acid rain
 - Alkali snow
 - Neutral hail

B. Acid rain
- Which of these reactions in the atmosphere leads to acid rain?
 - Magnesium + oxygen \rightarrow magnesium dioxide
 - Sulphur + oxygen \rightarrow sulphur dioxide
 - Carbon dioxide + hydrogen \rightarrow hydrogen carbonate
 - Sulphur dioxide + water \rightarrow sulphuric acid

D. Sulphur dioxide + water \rightarrow sulphuric acid
- The death of Scandinavian forests was blamed on:
 - Pollution from UK power station
 - Pollution from Scandinavian power stations
 - Tree surgeons
 - The Chernobyl disaster

A. Pollution from UK power stations

6. Acid rain does **not** cause:
- A. Lakes with a very low pH
 - B. Erosion of limestone and marble
 - C. Damage to trees
 - D. Global warming
- D. Global warming
7. Sulphur dioxide levels can be reduced by using:
- A. Catalytic converters
 - B. Static electricity to attract it in factory chimneys
 - C. More efficient car engines
 - D. Low sulphur fuels
- D. Low sulphur fuels
8. Which of these atmospheric pollutants is **not** released by car exhausts?
- A. Carbon monoxide
 - B. Carbon dioxide
 - C. Magnesium oxide
 - D. Lead oxide
- C. Magnesium oxide
9. Unleaded paint and petrol were introduced because:
- A. European Parliament told us to
 - B. Lead was proven to affect the brain and cause mental impairment
 - C. It was cheaper to produce than leaded products
 - D. Unleaded petrol made cars go faster
- B. Lead was proven to affect the brain and cause mental impairment
10. Which of these is **not** caused/aggravated by atmospheric pollution?
- A. Asthma
 - B. Nice sunsets
 - C. Hayfever
 - D. Global warming
- C. Hayfever

11. The greenhouse effect is where:
- A. Heat energy is trapped by the atmosphere
 - B. Too many buildings are built from glass
 - C. Solar panels are attached to the roofs of houses
 - D. You take gardening too seriously
- A. Heat energy is trapped by the atmosphere
12. The greenhouse effect is thought to be the cause of:
- A. Huge tomatoes
 - B. An increase in asthma sufferers
 - C. Skin cancer
 - D. An increase in global temperature
- D. An increase in global temperature
13. Global warming will **not** result in:
- A. Melting of the ice caps
 - B. Increasing sea levels
 - C. Increasing the size of the hole in the ozone layer
 - D. Unpredictable climate patterns
- C. Increasing the size of the hole in the ozone layer
14. Which of these was an attempt by world governments to specifically address the problem of global warming?
- A. The CITES Treaty
 - B. The Kyoto Agreement
 - C. The Geneva convention
 - D. Agenda 21
- B. The Kyoto Agreement
15. Carbon dioxide and oxygen levels are maintained by:
- A. Perspiration
 - B. Photosynthesis
 - C. Respiration
 - D. Photosynthesis and respiration
- D. Photosynthesis and respiration

16. The balance of carbon dioxide and oxygen has been upset by:
- A. Excessive burning of fossil fuels
 - B. Large scale deforestation
 - C. Burning fossil fuels and deforestation
 - D. Increasing human population
- C. Burning fossil fuels and deforestation
17. Deforestation is responsible for:
- A. Desertification
 - B. Eutrophication
 - C. Diversification
 - D. Salinisation
- A. Desertification
18. Carbon dioxide in the oceans can be used by:
- A. Fish
 - B. Phytoplankton
 - C. Zooplankton
 - D. Deep sea divers
- B. Phytoplankton
19. The ozone layer found high in the stratosphere:
- A. Protects against the sun's harmful UV rays
 - B. Can react with atmospheric pollutants to form smog
 - C. Is toxic to plants
 - D. Is capable of disintegrating fabric and rubber
- A. Protects against the Sun's harmful UV rays
20. Holes in the ozone layer are thought to have been caused by:
- A. Space exploration
 - B. CFC's
 - C. Methane
 - D. Carbon dioxide
- B. CFC's