



Field: Agroproduction

TEST

Climate Change Adaptation and Mitigation



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Test

1. There is no doubt among scientists that the recent spike in carbon dioxide and other greenhouse gases in the atmosphere is the result of
 - a) Human activities
 - b) Global warming
 - c) Natural cycle
2. What can not be said for "Global warming"?
 - a) Global warming increase the Earth's temperature.
 - b) The "Greenhouse Effect" contributes to global warming.
 - c) Main cause of Global Warming is ozone-destroying aerosol sprays
3. The excess carbon dioxide we are adding to the atmosphere increases global temperatures, leading to
 - a) Plant health deterioration
 - b) Climate change
 - c) Reduced energy requirement
4. The excess carbon dioxide we are adding to the atmosphere
 - a) decreases global temperatures
 - b) decreases greenhouse effect
 - c) leads to climate changes that can harm plants, animals, and humans
5. Which of the following is not true?
 - a) Carbon dioxide levels at atmosphere have fluctuated over time
 - b) Carbon dioxide levels are increasing more rapidly now than past
 - c) The rate of change of carbon dioxide concentration has been constant.

6. What is the greenhouse effect?
 - a) Increasing the earth's temperature
 - b) Increasing the ocean's temperature
 - c) Increasing the atmosphere's temperature

7. Which of the following is the most important greenhouse gases?
 - a) Methane-Carbondioxide
 - b) Carbondioxide-hydrogen
 - c) Methane-Hydrogen

8. Which of the following is not one of the greenhouse gases?
 - a) Nitrous oxide
 - b) Nitrogen
 - c) Ozone

9. Greenhouse gases;
 - a) Cause more acid rains
 - b) Absorb and hold in heat
 - c) Cause more dust clouds

10. Reducing climate change effects on agriculture we should use efficient irrigation systems which are
 - a) Sprinkler and surface irrigation systems
 - b) Surface and drip irrigation systems
 - c) Sprinkler and drip irrigation systems

11. One of the factor influencing the growth of future water resource use:
 - a) An increase in population
 - b) Reduction in water resources
 - c) Shrinkage of the agricultural sector

12. Which of the following can not cause global warming?
- a) Burning fossil fuels
 - b) Solar panels
 - c) Pollution from factories and automobiles
13. Which of the following is one effect of global warming?
- a) Erosion
 - b) Sea level rise
 - c) Formation of new islands
14. Which of the following is a key tool in sustainable production systems throughout the world and is developed around soil management technology that minimizes soil disturbance, maximizes the soil cover and promotes crop diversity to offer benefits to farmers and to the environment?
- a) Green revolution
 - b) Traditional agriculture
 - c) Conservation agriculture
15. What is biodiversity?
- a) The variation of life at the genetic, species, and ecosystem levels of biological organization.
 - b) The number of animal on earth
 - c) The number of plants on earth
16. At the global scale, Which sector is the largest user of water?
- a) Agriculture
 - b) Industry
 - c) Domestic

17. How much percent of all freshwater consumption worldwide used for agriculture
- a) 35
 - b) 50
 - c) 70
18. What is the advantage of using renewable energy sources?
- a) They produce little CO₂ or other pollutants
 - b) They are cheaper than traditional energy sources
 - c) It is easy to utilize
19. In order to minimise the effect of climate change, it is important
- a) reduced use of renewable energy sources and shift towards conventional energy
 - b) reduced use of conventional energy sources and shift towards renewable energy sources
 - c) reduced use of renewable energy sources and shift towards fossil energy
20. Carbon sinks are;
- a) Forests and Oceans
 - b) Volcanoes
 - c) Very deep caves with mines inside
21. The increases in global temperatures will cause
- a) Species to adapt easily
 - b) Extinction of some species
 - c) Both of them

22. The irrigation sector will be affected most strongly by climate change. Which of the following is NOT true for irrigation sector during the climate change.
- a) Drip irrigation system reduces water run-off through deep percolation and almost no evaporation from soil.
 - b) Higher temperatures and increased variability of precipitation will, in general, lead to an decreased irrigation water demand,
 - c) As a result of increased atmospheric CO₂ concentrations, water-use efficiency for some types of plants would increase
23. Which of the following is NOT one of the indicators of climate change?
- a) Higher air temperatures
 - b) Melting of glaciers
 - c) Lower sea surface temperatures
24. Which of the following is NOT one of the indicators of climate change?
- a) Increasing intensity and frequency of extreme whether events
 - b) Increase in the number of arctic sea ice
 - c) Higher sea levels
25. Which one of the following is true?
- a) Ocean acidification is not an indicators of climate change
 - b) Ocean acidification can cause extinction of marine organisms
 - c) Ocean acidification will be decreased during the climate change

Note: Correct answers are in red