

Educating the Next Generation of Climate Change Agents

Review Questions

Answer Key

1. Greenhouse gas emissions before the Industrial Revolution were:
 - a. 180 parts per million lower
 - b. 10 parts per million lower
 - c. 60 parts per million lower
 - d. 500 parts per million lower
2. Which of the following is not an outcome of anthropogenic (human caused) climate change and its rising temperatures?
 - a. Lengthening droughts
 - b. More intense periods of rainfall and flooding
 - c. More disease caused by insects and bacteria that thrive in hot, humid climates
 - d. Volcanoes
3. What human impacts have increased in connection to climate change?
 - a. Infectious diseases including malaria, typhoid, dengue fever, Ebola, Lyme disease, respiratory illness, and water-borne diseases or those carried by vectors
 - b. Food insecurity from agricultural pests, droughts,
 - c. Migration and displacement due to heat or land use changes
 - d. All the above
4. Without greenhouse gases, earth would be:
 - a. Too cold for humans
 - b. 59 degrees lower in Fahrenheit and 18 degrees lower in Celsius
 - c. 18 degrees lower in Fahrenheit and 59 degrees lower in Celsius
 - d. Too hot for humans
5. Sustainable development goals help communities:
 - a. Adapt to climate impacts
 - b. Regenerate the land
 - c. Reduce poverty and
 - d. Build healthy communities

- e. All the above
6. Global rainfall is expected to decrease by 1.3 mm. per month as early as:
- a. 2040
 - b. 2023
 - c. 2080
 - d. 2100
7. The following won't need to adapt to climate change::
- a. Agriculture and forests
 - b. Coastal zones and fisheries
 - c. Energy and waste management
 - d. None of the above
8. Carbon sinks (geographic features that store carbon) include:
- a. Oceans
 - b. Forests
 - c. Grasslands
 - d. All of the above
9. The slash and burn method of agriculture
- a. Is cost effective but, if overused, brings deforestation, erosion, and carbon pollutants
 - b. Can contribute to the extinction of some animals
 - c. Can enrich the soil if used only once in a decade
 - d. All of the above
10. Which of the following energy sources is not renewable?
- a. Solar
 - b. Wind
 - c. Coal
 - d. Hydroelectric
 - e. Biomass