

Session 7: Educating the Next Generation of Climate Change Agents

Review Questions

QUESTION 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

QUESTION 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

QUESTION 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 and droughts
- c. Migration and displacement due to heat or land use changes
- d. All the above

QUESTION 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

QUESTION 5

Sustainable development goals help communities:

- a. Adapt to climate impacts
- b. Regenerate the land
- c. Reduce poverty
- d. Build healthy communities
- e. All the above

QUESTION 6

Global rainfall is expected to decrease by 1.3 mm. per month as early as:

- a. 2040
- b. 2023
- c. 2080
- d. 2100

QUESTION 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

QUESTION 8

Carbon sinks (geographic features that store carbon) include:

- a. Oceans
- b. Forests
- c. Grasslands
- d. All of the above

QUESTION 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

QUESTION 10

Which of the following energy sources is NOT renewable?

- a. Solar
- b. Wind
- c. Coal
- d. Hydroelectric
- e. Biomass