Public Health and Society - Current Issues 1st edition Burke Solutions Manual

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Review Exercises

True/False

1. Climate change has lengthened the allergy season. (True)
2. Drought has no effect on the quantity and quality of water. (False)
3. Climate change has no effect on the intensity of storms. (False)
4. Climate-warming trends over the past century are extremely likely due to human activities. (True)
5. During marine heat waves, both fish and plants are killed. (True)
6. The California wildfires of 2018 polluted the air in San Francisco, 160 miles away. (True)
7. Hurricanes weaken over hot ocean water. (False)
8. Wildfires increase air pollution. (True)
9. Natural disasters, such as floods and wildfires, have no effect on mental health. (False)
10. Methane is released into the atmosphere by burning natural gas. (True)

Fill-ins

1. _____ are gases that trap heat in the Earth's atmosphere. (Greenhouse gases)
2. Carbon Dioxide (CO_2) is released by burning _____ such as oil, gas, or coal. (fossil fuels)
3. _____ refers to significant changes in global temperature, precipitation, and other measures of climate that occur over several decades or longer. (Climate change or Global warming)
4. _____ refers to the state of the atmosphere at a specific time and place. (Weather)

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5. A sweeping and destructive fire especially in a wilderness or a rural area is called a/an _____. (wildfire)
6. Because of rising sea levels, _____ reaches further inland, exposing more people to flood waters. (storm surge)
7. The populations who are most at risk from the effects of climate change include the very young, the very old, the poor, people with disabilities, and _____populations. (minority)
8. Two or more days of unusually hot and humid weather is called a/an _____. (heat wave)
9. A policy that limits carbon emissions by setting a cap on the emissions allowed for a country and distributing permits to pollute to companies is called _____. (cap and trade)
10. Florida's red tide is an example of _____. (Harmful algae blooms (HAB)).
11. The _____ is a non-binding resolution introduced in Congress on February 7, 2019, that aims for net-zero emissions. (Green New Deal)
12. The symptoms of _____ include a temperature of 103 degrees, dry skin, confusion, and fainting. (heat stroke)
13. A severe storm with high-velocity winds that rotate around a central, low-pressure core is called a/an _____. (hurricane)
14. _____ sites are areas contaminated by hazardous waste. (Superfund)
15. When ocean water absorbs CO_2, it becomes more _____, affecting fish and shellfish negatively. (acidic)

Critical Thinking

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1. Do you think an uptick in warmer temperatures due to climate change produces aggressive, violent behavior in people? Can it also affect human health in other ways?
2. Do you think the Green New Deal should include a carbon tax? If so, why?
3. How would the supply chain (distribution of goods) be disrupted by climate change?
4. How would you propose that the climate solution proposals, policies, and investments be designed to ensure that disadvantaged communities have a voice and are not left behind?
5. Describe how respiratory and cardiovascular diseases are increasing due to climate change.

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