**Global Warming quiz 1- Lede version D**

1. The lede's "[CO2 Emissions per Year](https://en.wikiversity.org/wiki/File%3AGlobal_Warming_Observed_CO2_Emissions_from_fossil_fuel_burning_vs_IPCC_scenarios.svg)" graph (1990-2010) shows solid straight lines that represent

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| --- | --- |
|  | a) estimates of the contributions from fossil fuels alone |
|  | b) estimates of the impact on land temperatures |
|  | c) estimates made in the year 2000 of what would happen in the future |
|  | d) estimates of the contributions from everything except fossil fuels |

2. Anthropogenic means something that

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| --- | --- |
|  | a) will hurt humans |
|  | b) humans cannot repair |
|  | c) human caused |
|  | d) humans can repair |

3. The largest temperature increases (from 2000-2009) have occurred

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| --- | --- |
|  | a) in the western hemisphere |
|  | b) near the equator |
|  | c) near the poles |
|  | d) on the ocean surface |

4. The lede's graphs of the "[Global Land Ocean Temperature Index (1880-2013)](https://en.wikiversity.org/wiki/File%3AGlobal_Temperature_Anomaly.svg)" indicates that from 1960 to 2012 the average temperature increased by approximately

|  |  |
| --- | --- |
|  | a) 1.6° Celsius |
|  | b) 0.16° Celsius |
|  | c) 0.6° Celsius |
|  | d) 0.06° Celsius |
|  | e) 16° Celsius |

5. in 2013, the IPCC stated that the largest driver of global warming is carbon dioxide (CO2) emissions from fossil fuel combustion. Other important sources of CO2 are

|  |  |
| --- | --- |
|  | a) cement production and land use changes |
|  | b) cement production and waste disposal |
|  | c) population growth |
|  | d) population growth and waste disposal |

6. In climate science, mitigation refers to:

|  |  |
| --- | --- |
|  | a) building systems resilient to the effects of global warming |
|  | b) reduction of green house emissions |
|  | c) climate engineering |
|  | d) adaptation to the effects of global warming |

7. The lede's graph of the "[Global Land Ocean Temperature Index (1880-2013)](https://en.wikiversity.org/wiki/File%3AGlobal_Temperature_Anomaly.svg)" shows little or no temperature rise over the last \_\_\_\_ years

|  |  |
| --- | --- |
|  | a) 10 |
|  | b) 300 |
|  | c) 30 |
|  | d) 3 |
|  | e) 100 |

8. The 2007 IPCC report stated that most global warming was likely being caused by increasing concentrations of greenhouse gases produced by human activities. Among the science academies of the major industrialized nations, this finding was recognized by

|  |  |
| --- | --- |
|  | a) all but the US academy of science |
|  | b) 90% of the academies of science |
|  | c) all of the academies of science |
|  | d) 60% of the academies of science |

9. Which statement is FALSE about the lede's [map of the temperature anomaly](https://en.wikiversity.org/wiki/File%3AGISS_temperature_2000-09_lrg.png) (2000-2009)?

|  |  |
| --- | --- |
|  | a) all portions of Antarctica have warmed |
|  | b) Northern Asia has warmed more than southern Asia |
|  | c) Central Europe has warmed more than the continental United States |
|  | d) The United States has warmed more than Australia |

10. Since 1971, 90% of earth's increased energy caused by global warming has been stored in the \_\_\_\_\_\_\_\_\_\_\_\_\_, mostly \_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
|  | a) sea; in the top kilometer |
|  | b) sea; in the bottom kilometer |
|  | c) land; near the equators |
|  | d) land; near the poles |
|  | e) air; in the water vapor |

11. The lede's graph of the "[Global Land Ocean Temperature Index (1880-2013)](https://en.wikiversity.org/wiki/File%3AGlobal_Temperature_Anomaly.svg)" shows that since 1920, there has never been a decade of overall cooling

|  |  |
| --- | --- |
|  | a) true |
|  | b) false |

12. The lede's "[CO2 Emissions per Year](https://en.wikiversity.org/wiki/File%3AGlobal_Warming_Observed_CO2_Emissions_from_fossil_fuel_burning_vs_IPCC_scenarios.svg)" graph (1990-2010) shows dips and rises that are caused by changes in

|  |  |
| --- | --- |
|  | a) the sun's energy output |
|  | b) the world economy |
|  | c) worldwide efforts to curtail emissions |
|  | d) the earth's distance from the sun |