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

1. 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) 3 |
|  | b) 300 |
|  | c) 30 |
|  | d) 10 |
|  | e) 100 |

2. 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

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

3. Anthropogenic means something that

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

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

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

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

6. 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

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

7. 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) 0.6° Celsius |
|  | b) 16° Celsius |
|  | c) 0.16° Celsius |
|  | d) 1.6° Celsius |
|  | e) 0.06° Celsius |

8. 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) air; in the water vapor |
|  | d) land; near the poles |
|  | e) land; near the equators |

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

10. 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 |

11. 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) 90% of the academies of science |
|  | b) all but the US academy of science |
|  | c) all of the academies of science |
|  | d) 60% of the academies of science |

12. In climate science, mitigation refers to:

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