ES11 **CLIMATE CHANGE Assignment**  /20

*Click on the link:* <https://www.cnn.com/interactive/2019/04/specials/climate-change-solutions-quiz/index.html>

**OR** *Go to CNN.com Climate Change Quiz. Follow the prompts to rank the solutions for each of the 8 topics. After each one, click “How’d I do?”. Read the resulting info on the screen below to answer the following questions.*

**FOOD**

1. Which option has the biggest impact on curbing climate change? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. How many cars on the road would this be equal to? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Scroll down a bit: If all the cows created their own nation, what would they become? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What do they suggest is the probably the most effective way individuals can fight climate change? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**MOVING PEOPLE AND GOODS**

1. Which option would have the biggest impact? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. How many cars off the road would this be equivalent to? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. If we all drove electric vehicles instead of gas-powered ones, how many gigatonnes of carbon emissions would this save from entering the atmosphere? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**HOME AND CITIES**

1. Out of the four options which would have the biggest impact? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. How many cars would this be equal to? \_\_\_\_\_\_\_\_\_
3. Why are LED lights considered beneficial? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**LAND USE**

1. Which has the biggest impact? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What percentage of land do tropical forests now cover? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Why is bamboo considered a superstar? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**ELECTRICITY**

1. Where does nuclear power rank? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Which is first? \_\_\_\_\_\_\_\_\_\_
2. Why are wind farms desirable? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_
3. Scroll further...what is the estimated net operational savings of using wind?
4. Increasing world electricity use by wind technology to 21.6 percent by 2050 could reduce emissions by how many gigatons?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**MATERIALS AND WASTE MANAGEMENT**

1. What is the biggest culprit here? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. How many gigatons of CO2 would be saved from going into the atmosphere merely by preventing refrigerants from leaking? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**EMPOWERMENT**

1. What does empowering women have to do with global warming? (list 4-6 points)

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1. Now rank the top 5 in order with the corresponding number of cars taken of the road:

|  |  |
| --- | --- |
| ***Action*** | ***# Cars*** |
| ***1.*** |  |
| ***2.*** |  |
| ***3.*** |  |
| ***4.*** |  |
| ***5.*** |  |

1. Which was most surprising to you? Why?

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**REFLECTION**

We can’t all build a wind turbine in our backyard but there are many things we as individuals can do with very little effort. What SPECIFICALLY do you think you can try to help reduce your personal carbon footprint? Name at least three actions.

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1. Do you leave the tap running when you brush your teeth?
2. Do you take long hot showers?
3. Do you buy bottled water?
4. Does your household recycle?
5. Do you have a programmable thermostat?
6. How many Compact fluorescent bulbs have replaced regular ones in your home?
7. Do you take public transit?
8. What SPECIFICALLY do you think you can try to help reduce your personal carbon footprint? Name at least three actions.