

1. Many experts agree that there is no way to prevent significant global warming.

TRUE FALSE NOT GIVEN

2. To keep global warming at a reasonable level today the only option is to...?

- A. Use geo-engineering.
- B. Get all of the governments to agree to work together on a solution.
- C. Cut back on carbon emissions.
- D. Use a back-up generator.

3. Geo-engineering is term that means...

- A. Getting many countries to work together to save Earth
- B. Engineering a large-scale manipulation of the environment that would affect the entire earth
- C. Mapping the places on the Earth where warming is most severe
- D. Cooling the Earth at least 5 degrees C

4. What is an example that proves that geo-engineering works (at least on a small localized scale?)

- A. The cooling of Russian rivers
- B. Blue skies at the May Day in Moscow
- C. Planting millions of trees across Europe
- D. Reducing food waste

5. The idea for using aerosol sprays in the stratosphere to cool the Earth came from the results of a volcanic eruption.

TRUE FALSE NOT GIVEN

6. Aerosol spray would disperse (break up) clouds and would lead to a global dimming.

TRUE FALSE NOT GIVEN

7. Which geo-engineering solution has NOT been proposed by scientists?

- A. Using aerosol sprays in the stratosphere.
- B. Drilling wells in the deserts across the globe to find water.
- C. Preserving the ice sheets of Greenland with cables.
- D. Planting millions of trees

8. What is the only permanent solution to global warming?

- E. Developing renewable energy.
- F. Recycling.
- G. Putting trash in bins and trash cans.
- H. Passing new laws.

9. All of the proposed geo-engineering ideas using aerosols would affect...

- E. Icebergs
- F. Trees
- G. Rainfall
- H. Rivers

10. The main reason geo-engineering is supported by scientists is

- A. All other solutions have already been tried before.
- B. Scientists like to compete to come up with the most innovative ideas.
- C. Scientists want to make their country more famous.
- D. Scientists doubt that we will make enough progress by only reducing carbon emissions.

Vocabulary: Choose the vocabulary word that matches each picture.

11.



12.



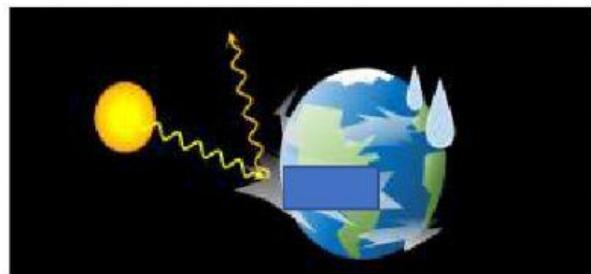
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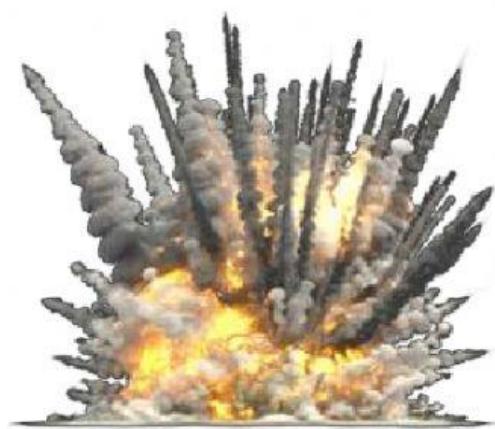
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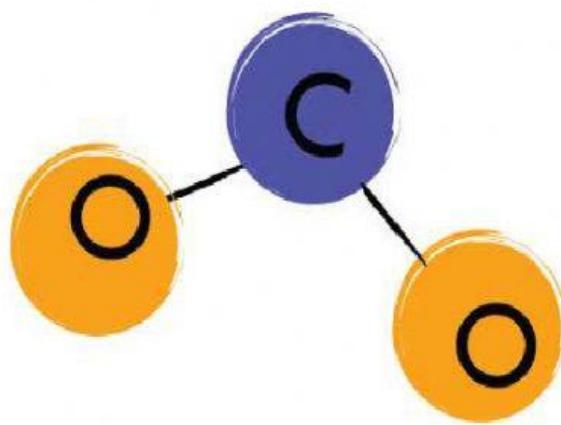
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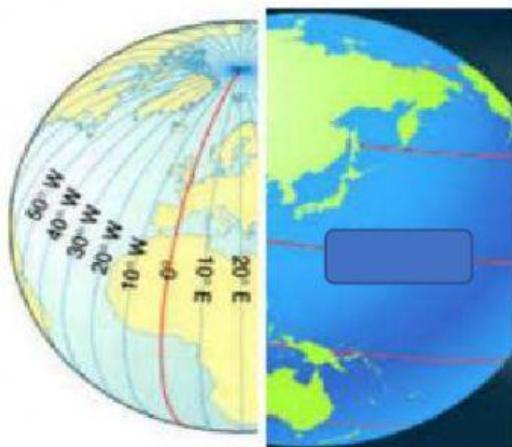
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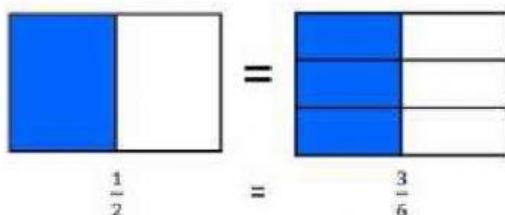
22.



23.



24.



25.



26. We need to reduce the _____ of carbon emissions to prevent global warming.

- a. Stride
- b. Scheme
- c. Alternative
- d. Volume

27. A synonym for the word "scheme" is...

- a. Parade
- b. Backup
- c. Plan
- d. Substitute

28. Geo-engineering has worked on a small scale when iron was deposited in the oceans to stimulate the growth of _____.

- a. Latitude
- b. Precipitation
- c. Community
- d. Algae

29. Which word means... to consider, to try, to explore, to find, to search

- a. Transparent
- b. Replenish
- c. Investigate
- d. Volume

30. The idea of using aerosol sprays in geo-engineering would affect the ...

- a. ...equivalent.
- b. ...stratosphere.
- c. ...spacecraft.
- d. ...alternative.