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
QUESTION 1

Molina and Rowland were doing pure research into why CFCs break down ozone in the lab. What event led to their research becoming applied research? *Select the best answer.*

- a hole in the ozone layer was observed every year, it was not found to be related to CFCs
- the ozone layer was found to be uniformly thick over planet Earth
- a hole in the ozone layer was observed and linked to damage caused by CFCs
- a hole in the ozone layer was observed only over Antarctica

QUESTION 2

Scientists agree that the ozone layer is recovering. They predict it will recover by the year .



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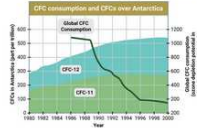
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QUESTION 3

Use the graph to help you answer the question:



The global consumption of CFCs decreased rapidly from 1990. What effect did it have on the level of CFCs over Antarctica?

- The level of CFCs over Antarctica is still slowly rising.
- The level of CFCs over Antarctica drastically dropped immediately when use of CFCs stopped.
- The level of CFCs over Antarctica continued to increase rapidly.
- The level of CFCs over Antarctica started to decrease slightly after ten years.

QUESTION 4

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
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QUESTION 4



Why is it important to know which chemicals are harmful to the ozone layer?

- to see if other areas of the atmosphere are affected by these chemicals
- to continue using them
- to see if other similar chemicals have the same effect
- to find better, safer alternatives

QUESTION 5

Why is it important to maintain a healthy ozone layer around planet Earth? *Select the best answer.*

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QUESTION 5

Why is it important to maintain a healthy ozone layer around planet Earth? *Select the best answer.*

- to keep air in our atmosphere
- to protect Earth from incoming meteoroids
- plants require ozone to survive
- to protect from harmful UV rays

QUESTION 6

Drag and drop the word to correctly complete the sentence.

The work of modern chemists has helped develop valuable materials, such as plastic. These can be used in a variety of different ways.

+ steel + concrete + wool

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QUESTION 7

A methodology used to solve a specific, practical issue affecting an individual, group, or country. This type of methodology is:

clinical research
 pure research
 applied research
 academic research

QUESTION 8

Ozone is known as a *trace* gas, meaning there is very little of it in the atmosphere. Based on your knowledge of the unit of Ozone. Use the photo below to find the normal level of Ozone.



300 DU

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9:01 AM 9/10/2020

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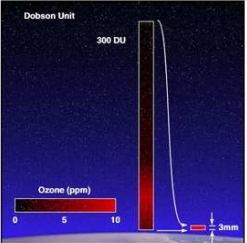
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QUESTION 8

Ozone is known as a *trace* gas, meaning there is very little of it in the atmosphere. Based on your knowledge of the unit of Ozone. Use the photo below to find the normal level of Ozone.



300 DU

Ozone (ppm)

0 5 10

3 mm

1 mm
 5 ppm
 300 DU
 2 mm

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QUESTION 9

In 1987, World leaders agreed to phase out, or gradually stop using, harmful chemicals. The treaty occurred in:

Montreal ✓

Sydney

Berlin

New York

QUESTION 10

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QUESTION 10

Ozone is measured using unit. ✓

QUESTION 11

In 1970s scientists have considered the relationship between the amount of CFCs in the and the thickness of the ozone. ✓

QUESTION 12

Carbon tetrachloride, methyl chloroform, and bromine can all atmospheric ozone. ✓

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QUESTION 13

A hole still forms in the ozone above every year.

QUESTION 14

Complete the sentence.

Chemistry is important because it involves the study of matter and how it interacts with .

Feedback

6 6

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