

THE OZONE LAYER worksheet CHECK

DIRECTIONS: Choose the correct term for each question.

1. Layer in the stratosphere containing ozone, which absorbs ultraviolet radiation
 - A. Chlorofluorocarbons
 - B. Ozone layer
 - C. Ultraviolet radiation
 - D. H₂O_{vapor}

2. Type of energy from the sun that can be harmful in large amounts
 - A. Chlorofluorocarbons
 - B. Ozone layer
 - C. Ultraviolet radiation
 - D. H₂O_{vapor}

3. Chemicals used in some aerosol sprays, refrigerants, and some foam products
 - A. Chlorofluorocarbons
 - B. Ozone layer
 - C. Ultraviolet radiation
 - D. H₂O_{vapor}

DIRECTIONS: Determine whether each of the following statements is true or false. **CIRCLE** the word "true" or "false". If the statement is false, rewrite it so that it is true.

- | "A" | "B" | |
|------|-------|---|
| TRUE | FALSE | 4. The kind of oxygen we breathe can absorb ultraviolet radiation. |
| TRUE | FALSE | 5. If the ozone layer disappeared, cancer rates would be much higher than they are now. |
| TRUE | FALSE | 6. Chlorofluorocarbons are making the ozone layer thicker. |
| TRUE | FALSE | 7. The ozone layer acts as a shield between us and ultraviolet radiation. |
| TRUE | FALSE | 8. A thick, unchanging layer of ozone covers the entire Earth. |
| TRUE | FALSE | 9. Ozone molecules destroy chlorofluorocarbon molecules. |

DIRECTIONS: Answer each statement below:

10. What is ozone?
 - A. Compound whose molecule contains 3 oxygen atoms
 - B. Compound whose molecule contains 3 nitrogen atoms
 - C. Compound whose molecule contains Chlorofluorocarbon atoms

11. Why is the ozone layer particularly important to life on Earth?
 - A. Helps with your sun tan
 - B. Helps destroy CFC's in the atmosphere
 - C. Absorbs most UV radiation

12. What is ultraviolet radiation?
 - A. Type of energy from Earth's magnetic poles
 - B. Type of energy from the sun
 - C. Type of energy given off from electric cars

13. Why is too much ultraviolet radiation harmful to plants and animals?
 - A. Causes cancer & dries up plants
 - B. Protects you from getting a sun tan
 - C. Causes skin to shrink & over waters plants

14. What makes scientists think that the ozone layer is disappearing?
 - A. Lack of Sun activity
 - B. Due to global warming
 - C. Found Holes or its thinning out

15. What chemicals are being blamed for damaging the ozone layer?
 - A. Chlorofluorocarbons
 - B. $\text{H}_2\text{O}_{\text{vapor}}$
 - C. N_2O

16. Which one of the following is NOT a use for CFC chemicals?
 - A. Refrigerant for refrigerators & air conditioners
 - B. Recycle rechargeable batteries
 - C. Aerosols (spray paint, hair spray)
 - D. Foam products (cups and containers)