

Carbon Dioxide

1. Answer the following questions:

A. What is carbon dioxide?

B. Write formula of carbon dioxide?

C. Write triple point temperature of carbon dioxide.

2. Write True or False:-

A. Carbon dioxide is found in the gas state at room temperature.

B. In the air carbon dioxide is transparent to visible light but absorbs infrared radiations.

C. Burning fossil fuels is the primary cause of increased CO₂.

3. Fill in the blanks:-

- A. Carbon dioxide is soluble in water and is found in _____, _____, _____ and _____.
- B. It is also a _____ for the synthesis of fuels and Chemicals.
- C. Plant use carbon dioxide directly to prepare their food along with _____ and _____.

4. Match the following:-

Column A	Column B
i. Molar mass	A. 44.009 gram mole ⁻¹
ii. Appearance	B. 6.05, 10.33
iii. Acidity -	C. $20.5 \cdot 10^{-6}$ cm ³ /mol
iv. Magnetic susceptibility	D. Colorless gas