

Which of the following is called the bitter of tin?

- a) $\text{SnCl}_2 \cdot 5\text{HO}$
- b) $\text{SnCl}_2 \cdot \text{H}_2\text{O}$
- c) $\text{SnCl} \cdot 5\text{H}_2\text{O}$
- d) $\text{SnCl}_2 \cdot 5\text{H}_2\text{O}$

Answer: d

Explanation: The compound Stannous chloride with 5 moles of water is called bitter of tin and it is used as a mordant in dyeing as it gives bright colours. Its chemical formula is given by $\text{SnCl}_2 \cdot 5\text{H}_2\text{O}$ and it is a white crystalline solid.