

Group 4

According to the **World Health Organization**, factories are one of the sources of **sulfur dioxide**, a gas that can affect the respiratory system when inhaled at levels higher than **40 $\mu\text{g}/\text{m}^3$** .

The safe level for humans is **7–75 ppb**, while the recorded level in **Metro Manila** is **6 ppb**.



<https://www.renderhub.com/zames1992d/human-lungs-anatomy-body-respiratory-system>

1. Give the chemical formula of sulfur dioxide.
2. Based on the standards set by the Philippine Clean Air Act, are sulfur dioxide levels in Metro Manila considered safe for human health?