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Nomenclature		
Common Name	Systematic Name	Formula
Water	Oxidane	H <sub>2</sub> O
Hydrogen Peroxide	Dihydrogen dioxide	H <sub>2</sub> O <sub>2</sub>
Hydrogen Sulfide	Dihydrogen sulfide	H <sub>2</sub> S
Sulfur Dioxide	Dioxidane	SO <sub>2</sub>
Sulfur Trioxide	Trioxidane	SO <sub>3</sub>
Sulfuric Acid	Oxidane-2,2,2-trisulfonic acid	H <sub>2</sub> SO <sub>4</sub>
Sulfurous Acid	Dihydroxydithionane	H <sub>2</sub> SO <sub>3</sub>
Sulfuric Anhydride	Dioxidane	SO <sub>2</sub>
Sulfurous Anhydride	Dihydroxydithionane	H <sub>2</sub> SO <sub>3</sub>

## FACTFILE



**Water**  
 Water is a colorless, odorless liquid at room temperature. It is essential for life and is the most abundant substance on Earth. Water molecules are polar, with a partial positive charge on the hydrogen atoms and a partial negative charge on the oxygen atom. This polarity allows water to form hydrogen bonds, which are responsible for many of its unique properties, such as its high boiling point and its ability to dissolve many substances.