

# CHALCOGENS

8  
**O**  
Oxygen

16  
**S**  
Sulphur

34  
**Se**  
Selenium

52  
**Te**  
Tellurium

84  
**Po**  
Polonium

116  
**Lv**  
Livermorium

## ELECTRONIC CONFIGURATION



Valence Electrons = 6

## OZONE LAYER (O<sub>3</sub>)



Ozone layer is filled with ozone molecules.

Ozone is the **BEST OXIDISING AGENT**

## REACTION WITH HYDROGEN

Hydrogen with Oxygen forms water (H<sub>2</sub>O)

Hydrogen with sulphur forms H<sub>2</sub>S which gives foul smell.



## SULPHUR

Sulphur is used in making Gun powder.



## TELLURIUM

Tellurium is used in CD's and Blue-ray discs.



## SELENIUM

Selenium is used in Glass making.

## TAILING OF MERCURY

Mercury loses its meniscus and sticks to the glass due to formation of mercurous oxide.



Ozone

Mercurous oxide



## POLONIUM

Radioactive and deadly. It is rumoured that Yasar Arafat died due to poisoning of Polonium.

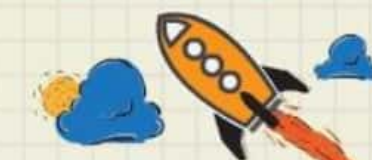
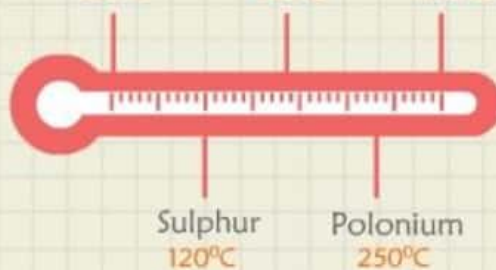
## CAREFUL WITH H<sub>2</sub>SO<sub>4</sub>

H<sub>2</sub>SO<sub>4</sub> is the strongest and most corrosive acid. It can cause serious burns on the skin.



## MELTING POINT

Oxygen -219°C    Selenium 221°C    Tellurium 450°C



## OXYGEN

Liquid oxygen is used as Rocket fuel.

