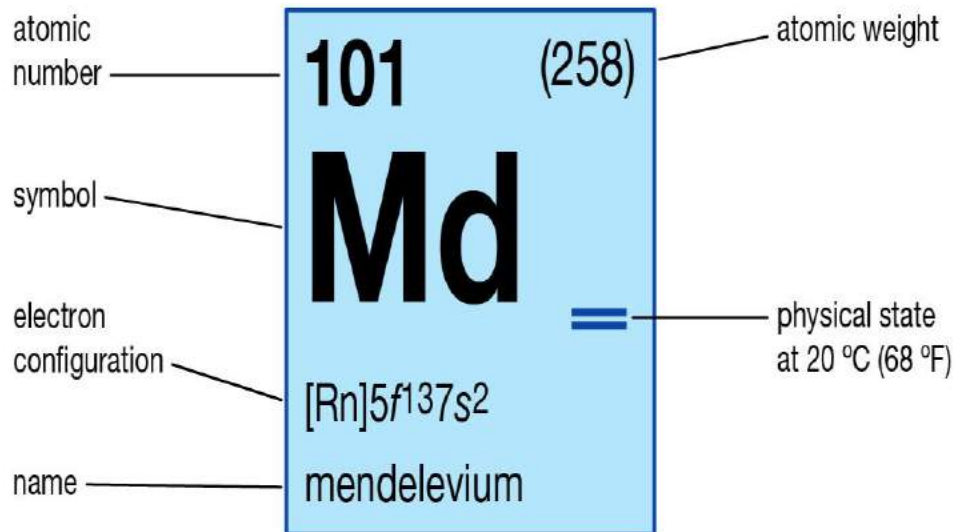


All You Need To Know About Mendelevium

By Nischay Dahiya

A Quick Insight

Mendelevium



Actinide elements



Synthetically prepared

() indicates the mass of the longest-lived isotope.

Some Facts about Md

- ❖ It is named after Dmitri Mendeleev , “Father of the periodic table”
- ❖ It was discovered by bombarding Einsteinium with alpha particles.
- ❖ A total of 17 isotopes of Mendelevium are known to us, the most stable one being ^{258}Md

Physical Properties

It is an actinide whose bulk production is currently not possible. However there are a few properties predicted by experiments-:

- ❑ It has a +3 oxidation state but also an accessible +2 oxidation state.
- ❑ It's estimated melting point is 827°C .
- ❑ It has a cubic crystal structure.

Chemical Properties

- ❖ Mendelevium is found to be stable in water-ethanol solutions
- ❖ Its behavior is similar to Alkaline Earth Metals
- ❖ Its oxidation state varies from +1 to +4, however Mendelevium(II) and Mendelevium(III) are more common.

Uses

Due to lack of large scale production
Mendelevium has no commercial uses



Thank You