

Doggo Cheatsheet - Reactivity of Metals

Metal	Symbol	Atomic Number	Group in Periodic Table	Simple Ion	Reactivity	Common Ore			Reaction with Oxygen					Reaction with dilute acids			Reaction with water/steam																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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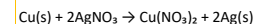
Doggo Rule of Thumb

- ✓ The most reactive metals are from Group I - Potassium (K), Sodium (Na); and then Group II - Calcium (Ca), Magnesium (Mg); and then Group III - Aluminium (Al)
- ✓ The least reactive are expensive metal - Gold (Au), Platinum (Pt) and Silver (Ag) and no reaction with oxygen, steam and dilute acid under normal conditions
- ✓ Mercury (Hg) and Copper (Cu) only react with oxygen but not with dilute acid and steam
- ✓ Lead (Pb) reacts with oxygen and dilute acid but not steam



Displacement Reaction

A metal displacement reaction is a chemical process where a more reactive metal pushes a less reactive metal out of its compound (usually a salt solution), e.g., when you submerge copper metal in a silver nitrate solution, the copper (which is more reactive than silver) displaces the silver from the nitrate



Doggy the Scientist



Metals and Reactivity

Overview



Doggo Tutorial



Overview of Metals



Reactivity of Metals

Doggo Quiz



Reactivity of Metals



Balanced Equation of Chemical Reaction of Metals