

## Common Metals

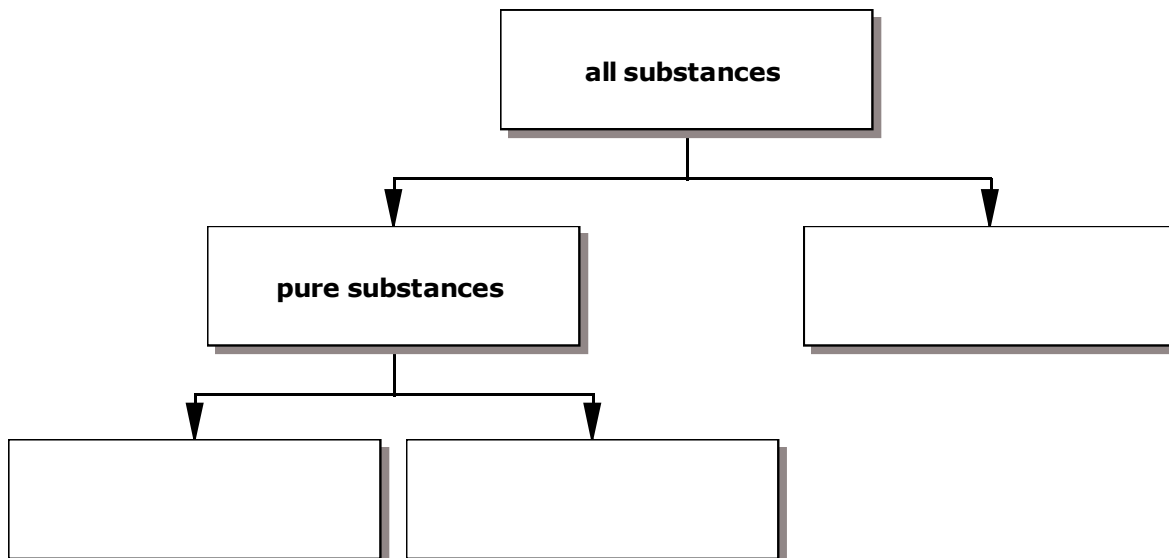
Metal	Symbol	Properties	Uses
Aluminium	Al	Soft, light, good conductor of heat and electricity, corrosion resistant	Cans, foil food wrap, power lines, roofing materials, boat hulls, aircraft
Cast Iron	Fe	Hard, brittle, magnetic, easily corroded	Steel for construction industry, engine parts, tools
Copper	Cu	Malleable, soft, good conductor of heat and electricity, corrodes slowly	Water pipes and tanks, roofing, electric wiring
Gold	Au	Soft, malleable, ductile, very dense, low melting point, good electrical conductor, corrosion resistant	Jewellery, electronic circuits
Lead	Pb	Soft, malleable, very dense, low melting point	Plumbing, flashing, leadlight, ingredient in solder, car batteries
Nickel	Ni	Hard, magnetic, corrosion resistant	Ingredient in alloys for coins, jewellery and stainless steel
Silver	Ag	Malleable and ductile, soft, low melting point, good electrical conductor, corrosion resistant	Jewellery, silverware, coins
Tin	Sn	Malleable and ductile, soft, corrosion resistant	Tin plate, corrosion-resistant coatings, ingredient in solder
Zinc	Zn	Hard, low melting point, corrosion resistant	Ingredient in brass, corrosion-resistant coatings (galvanising)

## Common Substances

Substance	Type	Composed of	Scientific Name
Gold	Element	Gold	Gold
Diamond	Element	Carbon	Carbon
Water	Compound	Hydrogen and oxygen	Dihydrogen oxide
Table salt	Compound	Sodium and chlorine	Sodium chloride
Brass	Mixture	Copper and zinc	Brass
Soft drink	Mixture	Water, sugar, carbon dioxide and other compounds	
Sea water	Mixture	Water, sodium chloride and other compounds	

## Classification

Complete this classification chart using the words: mixtures, element, compound.



## Complete these sentences

A \_\_\_\_\_ is a substance that cannot be broken down into simpler substances. Some examples are \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.

A pure substance that can be broken down into simpler substances is called a \_\_\_\_\_. An example is \_\_\_\_\_. Groups of atoms joined together are called \_\_\_\_\_. Elements combine to form \_\_\_\_\_.