

METALS AND ALLOYS



Complete this concept review handout and keep it as a record of what you have learned.

DEFINITIONS

- Metal is _____

- An alloy is _____

- A ferrous alloy is _____

- A non-ferrous alloy is _____

THE MOST COMMONLY USED METALS

Metal	Chemical symbol	Main characteristics
_____	Fe	_____ _____
_____	Cu	_____ _____
_____	Al	_____ _____
_____	Zn	_____ _____
_____	Mg	_____ _____
_____	Ni	_____ _____
_____	Cr	_____ _____
_____	Sn	_____ _____



THE MOST COMMONLY USED ALLOYS

Type of alloy	Alloy	Composition and description
<div>_____</div> <div>_____</div>	Steel	Mix of iron and carbon (less than 1.5% carbon) Nickel, chrome and zinc are often added.
	_____	_____
	_____	_____
<div>_____</div> <div>_____</div>	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____
	_____	_____

SUMMARY OF PROPERTIES OF THE MOST COMMONLY USED ALLOYS

Property	Metal or alloy used because of this property
Ductility	Iron, copper, zinc, tin, brass.