

## C1 - The Periodic Table (Chemistry Only)—Transition Metals.

Transition elements are all m \_\_\_\_\_, positioned between group \_\_\_\_ and \_\_\_\_.

List the physical properties of the transition metals

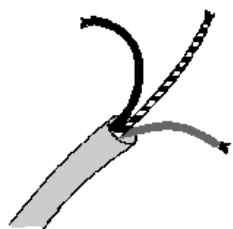
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Many transition metal compounds are C \_\_\_\_\_.

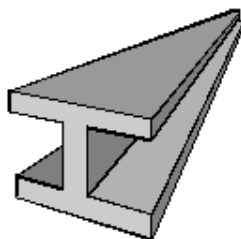
Compound	Metal ion present	Colour
Copper (II) sulphate	$\text{Cu}^{2+}$	
_____ (II) sulphate	$\text{Ni}^{2+}$	Pale green
_____ (III) oxide		Dark green
Manganese (___) oxide	$\text{Mn}^{2+}$	

Copper (Cu) can form ions that have +1 or +2 charge. Write down the name and formula of each compound copper can form with oxide ( $\text{O}^{2-}$ ) ions.

Why is copper used for electrical wiring?



Why is iron used for girders in buildings?



Why are transition metal compounds added to glazers on pottery?



Transition metals have different properties to group 1 metals. Give 2 of these different properties of transition metals.