

Name _____ Date Due _____

Displacement and Equations

1. What is displacement?

2. If a solid metal is higher in the electrochemical series than a metal in solution, displacement will occur. Using p10 of the data book at

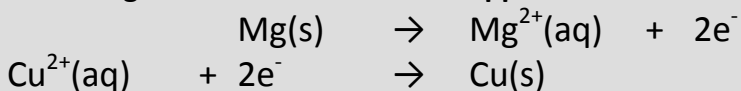
http://www.sqa.org.uk/files_ccc/ChemistryDataBookletSQPN5.pdf, state whether a displacement reaction would occur for these pairs...

Solid Metal	Metal in Solution	Displacement Occurs?
Magnesium	Copper	Yes
Copper	Magnesium	No
Magnesium	Sodium	
Silver	Zinc	
Zinc	Aluminium	
Calcium	Aluminium	
Aluminium	Zinc	
Silver	Copper	
Magnesium	Zinc	

3. If you write down the equations for a displacement reaction, you must reverse the equation for the solid metal. Using p10 of the data book at

http://www.sqa.org.uk/files_ccc/ChemistryDataBookletSQPN5.pdf, write down the equations for these reactions.

Solid Magnesium metal added to copper solution



Solid Aluminium metal added to copper solution

Solid zinc metal added to aluminium solution

Solid calcium metal added to zinc solution

Solid iron metal added to copper solution