

Thiruvananthapuram Educational District
CHEMISTRY
 Answer key

CW7 (X3)

STD X

1. a) Mg reacts with air
 b) $2\text{Mg} + \text{O}_2 \rightarrow 2\text{MgO}$

2. a) Mg
 b) Cu

3. a) 1 . Reactivity of Mg is greater than copper.
 b) $\text{Mg} + \text{CuSO}_4 \rightarrow \text{MgSO}_4 + \text{Cu}$

4.

Oxidation	Reduction
$\text{Fe} \rightarrow \text{Fe}^{2+} + 2\text{e}^-$	$\text{Fe}^{2+} + 2\text{e}^- \rightarrow \text{Fe}$
$\text{Mg} \rightarrow \text{Mg}^{2+} + 2\text{e}^-$	$\text{Mg}^{2+} + 2\text{e}^- \rightarrow \text{Mg}$

5.

