

Name -

Nickname -

Class -

Date -

9Fb – REACTIVITY

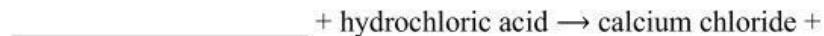
1. What is the reactivity series?

2. a. Use the table to help identify the metals below. Metal X can catch fire in air, reacts with cold water and reacts quickly with dilute acid. Metal X is likely to be

Metal Y reacts quickly with dilute acid and the oxygen in air but reacts very slowly with water. Metal Y is likely to be

Metal Z catches fire in air, is explosive with dilute acid and reacts very quickly with water. Metal Z is likely to be

b. Complete the following equations.



Increasing reactivity ↑

Metal	Reaction with oxygen in air	Reaction with cold water	Reaction with dilute acid
potassium	flammable	flammable	explosive
sodium	flammable	reacts very quickly	reacts very quickly
lithium	flammable	reacts quickly	reacts very quickly
calcium	flammable	reacts quickly	reacts very quickly
magnesium	flammable	reacts quickly	reacts quickly
aluminium	reacts quickly	slow or partial reaction	reacts quickly
zinc	reacts quickly	slow or partial reaction	reacts quickly
iron	reacts quickly	slow or partial reaction	reacts slowly
tin	reacts slowly	slow or partial reaction	reacts slowly
lead	reacts slowly	slow or partial reaction	reacts slowly
copper	reacts slowly	no reaction	no reaction
mercury	slow or partial reaction	no reaction	no reaction

Key

explosive	flammable	reacts very quickly
reacts quickly	reacts	slow or partial reaction
no reaction		