

Write the general word and symbol equations for the reaction of the alkali metals with water
Word:

Symbol:

C4 Predicting and Identifying Reactions and Products

C4.1 Predicting Chemical Reactions

Explain, in terms of electrons, why the Group 0 elements are unreactive

Links

←
C3.1 Introducing Chemical Reactions
C3.3 Types of Chemical Reactions
C2.2 Bonding

→
C6.1 Improving processes and products

What is a displacement reaction?

Will Br₂ react with NaCl?

Explain your answer

Explain in terms of electrons why the Group 1 metals have similar chemical reactivity

Describe the trend in reactivity down the Group 1 metals

Explain in terms of electrons why the Group 7 elements have similar chemical reactivity

Describe the trend in reactivity down the Group 7 elements

Similarities

Explain in terms of electrons the trend in reactivity down the Group 1 metals

Explain in terms of electrons the trend in reactivity down the Group 7 elements

Differences

How could you use experimental data to compare the reactivity of different metals?

As you go down Group 7 what happens to their...
..density

..melting point

As you go down Group 0 what happens to their...
..density

..melting point

As you go down Group 1 what happens to their...
..density

..melting point

List the metals in order of reactivity

Keywords