

# gcse (9–1) SCIENCE

# J247, J257, J248, J258, J249, J259, J250, J260

For first teaching in 2016

# **Exam hints for students**



Version 1



## GCSE (9-1) Science

#### **General Tips**



×1000 ×1000









### GCSE (9-1) Science

#### J247, J257, J248, J258, J249, J259, J250, J260

#### **Biology**



Energy profile diagram arrows are single headed, show direction of energy change and extend to the limits of the change.

progress of reaction

Check equations for balancing errors after writing them. Remember that any charges should also be balanced.

When writing the chemical formula of an ionic compound, remember the charges have to balance in ionic formulas.

When drawing display formulae show all the bonds in the compound.



Be clear as to whether an attraction is between molecules or between the atoms within a molecule.



Make sure you know the names of the different organic homologous series.

acl -- cla + ae

Half equations show you what happens

to each ion in the reaction showing the

electrons involved.

 $aH^{+} + ae^{-} \rightarrow H_{a}$ 



Atomic number is the smaller number: the number of protons in an atom. Atomic Mass is the larger number: the mass of an atom.



When drawing the structure of a metal, draw the delocalised electrons surrounding and in between the metal ions.



Many students could not remember the chemical tests for ions in solution.

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