pH, H3O+ and OH- calculations (Level 2) exam tips

• The following formulae will be provided to you in your exam on the resource booklet.



• You must be familiar with inputting the data correctly into your calculator.

• Always show your workings on paper in case you make an error.

• Practise with your own calculator.

Finding the pH

pH = - log [H3O+]

Finding the [H3O+]

inv log - pH = [H3O+]

Finding the [OH-]

Kw = [OH-]

 [H3O+]

Also…don’t be daft!
Do not round up till the end.

Be sure to give your answer to 3 significant figures.

You must include units; mol L-1 for concentrations of H3O+ and OH-.

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