

# A-level Chemistry

## Year 12 into Year 13

### Summer Independent Learning

Resources for this work will be provided in lessons during the final week of term. The work is divided into the following sections:

- Independent Study – Period 3 Elements and their Oxides
- Independent Study – Using Transition Metals as Catalysts
- Independent Study – Reactions of Metal-Aqua Ions
- Review of Key Knowledge from Year 12
- Folder organisation

You should complete this work in full and bring it to your first Chemistry lesson of Year 13. You will sit an assessment on this work during your first lesson.

#### Independent Study Topic – Period 3 Elements and their Oxides

In your final lesson, your teacher will have given you a Summary Sheet / Notes Booklet and a selection of Exam Questions for this topic. Copies will be available on MS Teams if you misplace yours.

Use the Summary Sheet / Notes Booklet to complete the Exam Questions. You should use a different coloured pen to mark and correct the Exam Questions as you go.

You will be assessed on this work during your first lesson in Year 13, so it is important that you ensure that you can recall and apply the content in the Summary Sheet / Notes Booklet.

#### Independent Study Topic – Using Transition Metals as Catalysts

In your final lesson, your teacher will have given you a Summary Sheet / Notes Booklet and a selection of Exam Questions for this topic. Copies will be available on MS Teams if you misplace yours.

Use the Summary Sheet / Notes Booklet to complete the Exam Questions. You should use a different coloured pen to mark and correct the Exam Questions as you go.

You will be assessed on this work during your first lesson in Year 13, so it is important that you ensure that you can recall and apply the content in the Summary Sheet / Notes Booklet.

#### Independent Study Topic – Reactions of Metal-Aqua Ions

In your final lesson, your teacher will have given you a Summary Sheet / Notes Booklet and a selection of Exam Questions for this topic. Copies will be available on MS Teams if you misplace yours.

Use the Summary Sheet / Notes Booklet to complete the Exam Questions. You should use a different coloured pen to mark and correct the Exam Questions as you go.

You will be assessed on this work during your first lesson in Year 13, so it is important that you ensure that you can recall and apply the content in the Summary Sheet / Notes Booklet.

#### Review of Key Knowledge from Year 12

Review the information in the 'Key Knowledge from Year 12' booklet. A copy of this is available on MS Teams. This contains the key basic content that you should be able to recall and apply from your studies in Year 12.

Parts of this booklet will be assessed during your first lesson back, so you should ensure that you can recall this information in full.

#### Folder Organisation and Equipment

Your teacher will set out the requirements for how you should organise your lesson folder and the equipment that you will need for Year 13. You should ensure that your folder is organised appropriately. There will be a folder check during your first lesson back in Year 13.

HAVE A GREAT SUMMER!

