

# Higher education / apprenticeship



## Earth Resources

How can we prolong items depending on the materials?



## Chemical analysis

How do we test for positive and negative ions?

## Organic reactions

How can we use crude oil to our benefit?

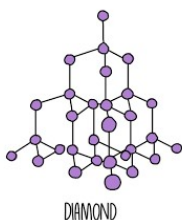
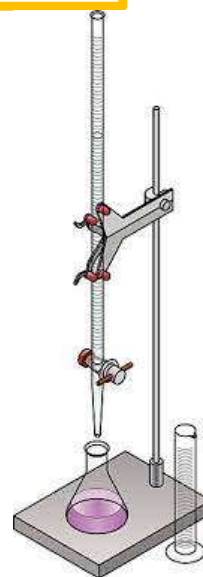
$$\text{percent yield} = \frac{\text{actual yield}}{\text{theoretical yield}} \times 100\%$$

## Chemical Calculations

Why is yield important in chemical reactions?

## Energy changes

Why does the temperature increase in some reactions but decrease in others?



DIAMOND

## Structure and Bonding

How are properties of small substances?

## Chemical changes

What is a titration? How do I use the equipment?

Year 11

Year 10