


GCSE Additional Science: Chemistry

Acids and Alkalis

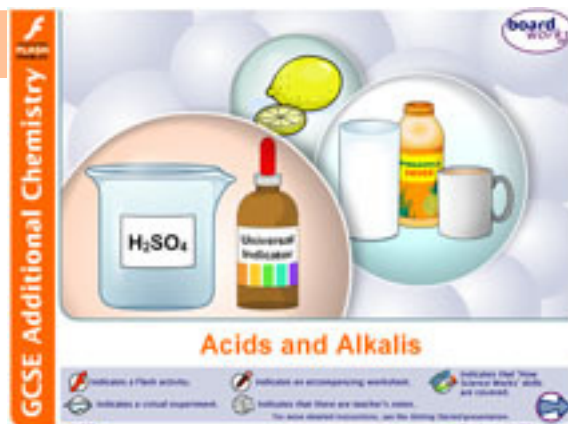
17 slides

 8 Flash activities

 Accompanied by **Acids and Alkalis** worksheet

Covering:

- Acids and alkalis
- Neutralization reactions



For AQA and OCR Twenty-First Century GCSE Science

Air

4 slides

 1 Flash activity

Covering:

- What is air made from?
- What is the atmosphere made from?



OCR Twenty-First Century GCSE Science

Atom Economy

9 slides

 2 Flash activities

 Accompanied by **Yield** worksheet

Covering:

- Atom economy




OCR Gateway

GCSE Additional Science: Chemistry

Atomic Structure

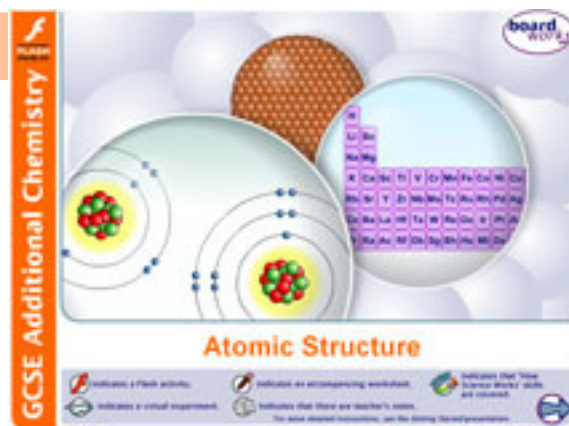
19 slides

 8 Flash activities

 Accompanied by **Atomic Structure** worksheet

Covering:


- What are atoms?
- Atomic number and mass number



For AQA, OCR Twenty-First Century GCSE Science, OCR Gateway and Edexcel

Catalysts

13 slides

 3 Flash activities

 Accompanied by **Reaction Rates** worksheet

Covering:

- What are catalysts?
- Catalysts in use



For AQA, OCR Twenty-First Century GCSE Science, OCR Gateway and Edexcel

Changing Reaction Rates

29 slides

 11 Flash activities

 Accompanied by **Reaction Rates** worksheet

Covering:

- Rates of reaction
- The effect of temperature
- The effect of concentration
- The effect of surface area



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Chromatography

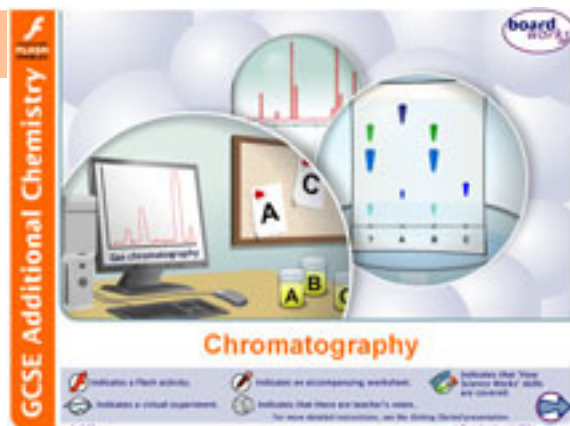
17 slides

7 Flash activities

Accompanied by **Identifying Substances** worksheet

Covering:

- Paper chromatography
- Gas chromatography



For AQA and Edexcel

Covalent Bonding

19 slides

9 Flash activities

Accompanied by **Covalent Bonding** worksheet

Covering:

- What are covalent bonds?
- Covalent compounds



For AQA, OCR Twenty-First Century GCSE Science, OCR Gateway and Edexcel

Electrolysis

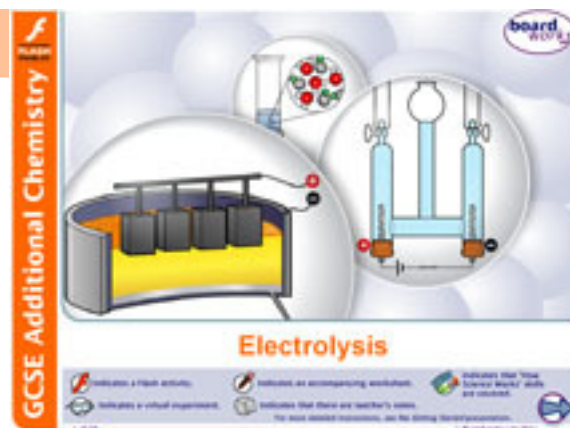
30 slides

14 Flash activities

Accompanied by **Electrolysis** worksheet

Covering:

- Ionic compounds
- Electrolysis of aluminium
- Electrolysis of brine



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GCSE Additional Science: Chemistry

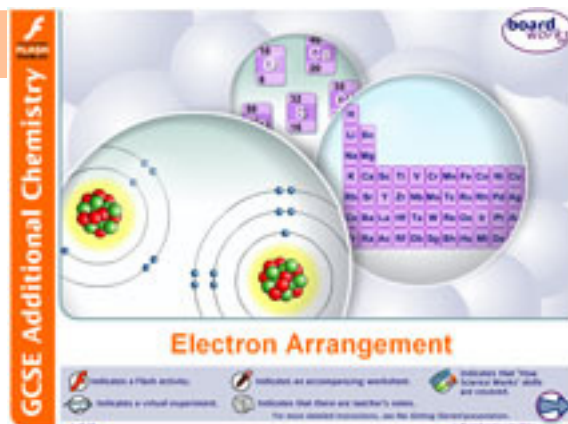
Electron Arrangement

18 slides

8 Flash activities

Covering:

- Electron arrangement
- The periodic table and electrons



For OCR Twenty-First Century GCSE Science, OCR Gateway and Edexcel

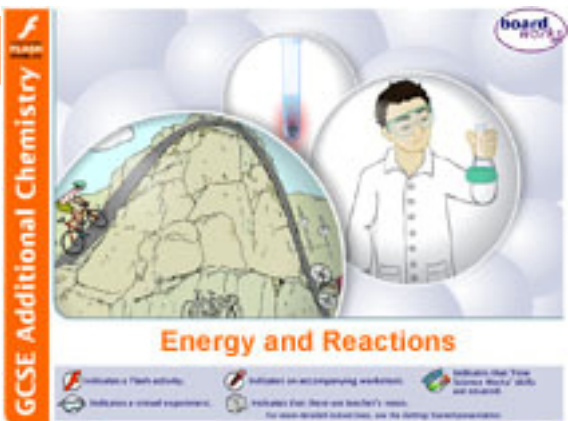
Energy and Reactions

33 slides

18 Flash activities

Covering:

- Exothermic reactions
- Endothermic reactions
- Bonds and activation energy



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Extracting Metals

16 slides

6 Flash activities

Accompanied by **Extracting Metals** worksheet

Covering:

- Mining ores
- Extracting metals




OCR Twenty-First Century GCSE Science

GCSE Additional Science: Chemistry

Formulae and Equations

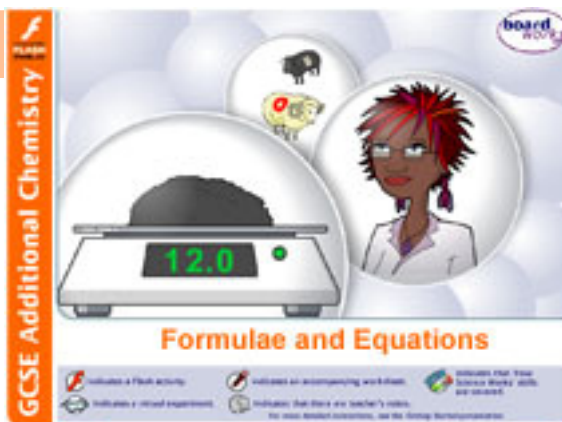
34 slides

 16 Flash activities

 Accompanied by **Quantitative Chemistry** worksheet

Covering:

- Word and symbol equations
- Relative atomic mass, relative formula mass and moles
- Percentage by mass



For AQA, OCR Twenty-First Century GCSE Science, OCR Gateway and Edexcel

Giant Covalent Structures

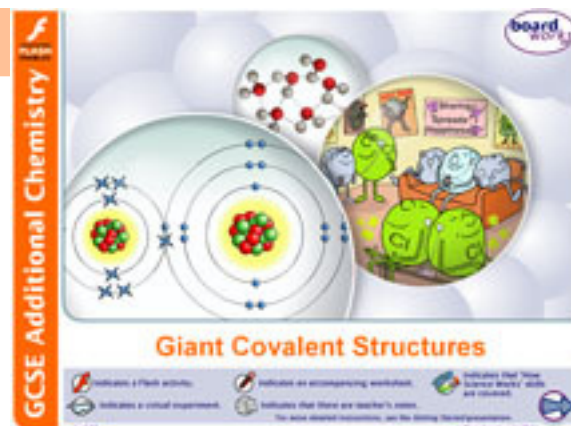
23 slides

 8 Flash activities

 Accompanied by **Covalent Bonding** worksheet

Covering:

- Giant covalent structures
- Structure and properties
- Comparing structures



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Group 0 – Noble Gases

23 slides

 9 Flash activities

Covering:

- What are the noble gases
- Physical properties
- Uses



Edexcel

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Group 1 – Alkali Metals

38 slides

13 Flash activities

Accompanied by **Alkali Metals and Halogens** worksheet

Covering:

- Introducing the alkali metals
- Physical properties
- Reactions and reactivity
- Safety precautions

GCSE Additional Chemistry

boardworks

Group 1 – Alkali Metals

Indicates a Flash activity. Indicates an accompanying worksheet. Indicates that these are teacher's notes. Indicates a virtual experiment. Indicates that there are teacher's notes. The above content is available on the Boardworks website.

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Group 7 – Halogens

38 slides

12 Flash activities

Accompanied by **Alkali Metals and Halogens** worksheet

Covering:

- Introducing the halogens
- Physical properties
- Reactions and reactivity
- Uses

GCSE Additional Chemistry

boardworks

Group 7 – Halogens

Indicates a Flash activity. Indicates an accompanying worksheet. Indicates that these are teacher's notes. Indicates a virtual experiment. Indicates that there are teacher's notes. The above content is available on the Boardworks website.

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Ionic Compounds

13 slides

5 Flash activities

Accompanied by **Ionic Bonding** worksheet

Covering:

- Ionic compounds

GCSE Additional Chemistry

boardworks

Ionic Compounds

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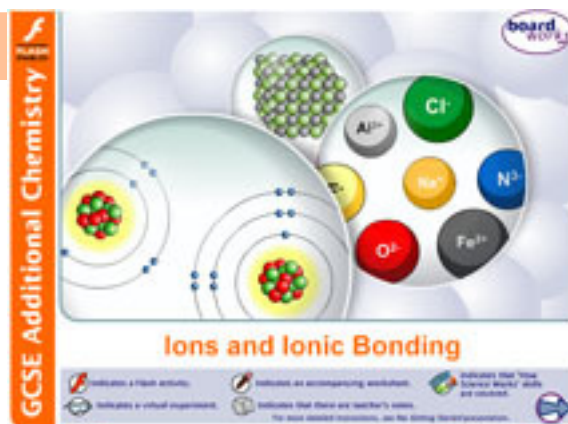
Ions and Ionic Bonding

32 slides

-  11 Flash activities
-  Accompanied by ***Ionic Bonding*** worksheet

Covering:



- Ions
- Ionic bonding
- Formulae of ionic compounds



For AQA, OCR Twenty-First Century GCSE Science, OCR Gateway and Edexcel

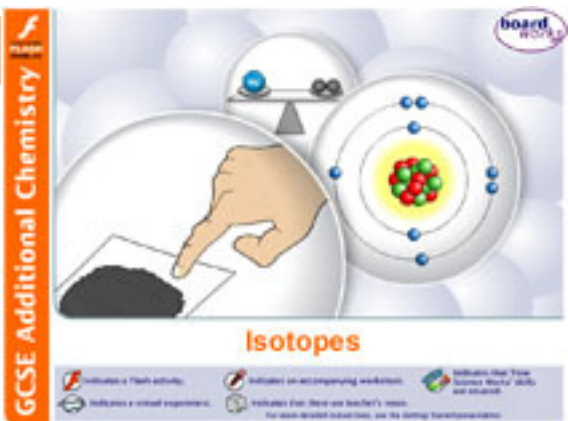
Isotopes

19 slides

-  5 Flash activities
-  Accompanied by ***Atomic Structure*** worksheet

Covering:

- What are isotopes?
- Relative atomic mass



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Making Salts

29 slides

-  11 Flash activities
-  Accompanied by ***Making Salts*** worksheet

Covering:

- Making salts
- Formulae for ionic compounds





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Measuring Reaction Rates

18 slides

-  5 Flash activities
-  Accompanied by **Reaction Rates** worksheet

Covering:

- Measuring rates of reaction



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Metallic Bonding

13 slides

-  4 Flash activities
-  Accompanied by **Metals** worksheet

Covering:

- Structure of metals
- Structure and properties



For AQA, OCR Twenty-First Century GCSE Science, OCR Gateway and Edexcel

New Materials

22 slides

-  7 Flash activities
-  Accompanied by **New Materials** worksheet

Covering:

- Alloys
- Polymers
- Nanotechnology



For AQA

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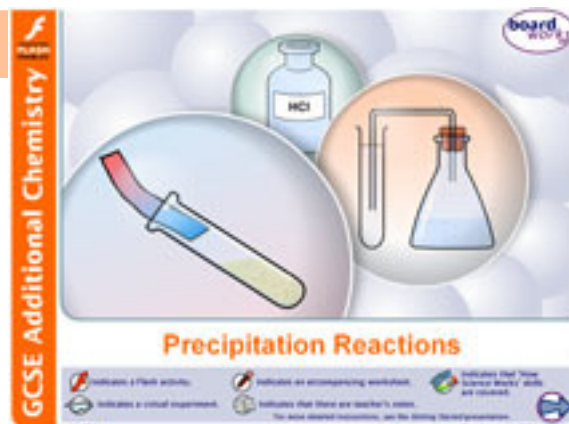
Precipitation Reactions

24 slides

- 9 Flash activities
- Accompanied by **Making Salts** worksheet

Covering:

- Precipitation reactions
- Identifying negative ions



For AQA, OCR Twenty-First Century GCSE Science, OCR Gateway and Edexcel

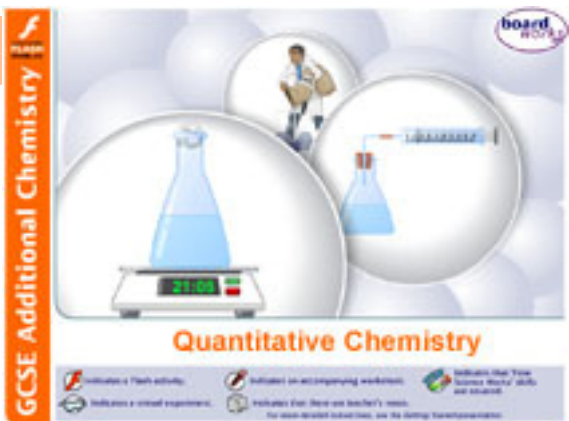
Quantitative Chemistry

21 slides

- 6 Flash activities
- Accompanied by **Quantitative Chemistry** worksheet

Covering:

- Conservation of mass
- Calculating masses
- Industrial processes



For AQA, OCR Twenty-First Century GCSE Science, OCR Gateway and Edexcel

Representing Chemicals

14 slides

- 6 Flash activities
- Accompanied by **Representing Chemicals** worksheet

Covering:

- Introduction to chemicals
- Types of formulae




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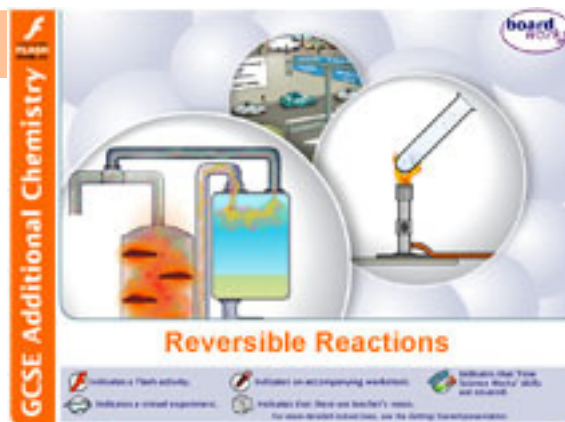
Reversible Reactions

13 slides

 4 Flash activities

Covering:

- Reversible reactions



For AQA

Spectroscopy and Flame Tests

17 slides

 7 Flash activities

 Accompanied by **Identifying Substances** worksheet

Covering:

- Spectroscopy
- Flame tests



For OCR Twenty-First Century GCSE Science, OCR Gateway and Edexcel

The Periodic Table

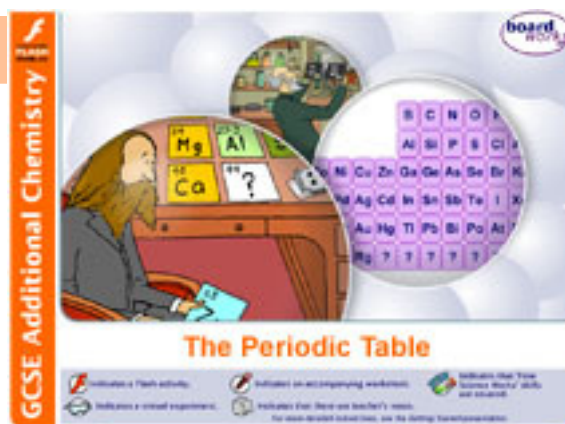
39 slides

 16 Flash activities

 Accompanied by **The Periodic Table** worksheet

Covering:

- Elements and atomic number
- Arranging elements
- Patterns of behaviour
- Electron structure





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Yield

13 slides

 5 Flash activities

 Accompanied by **Yield** worksheet

Covering:

- What is yield?
- Percentage yield



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