

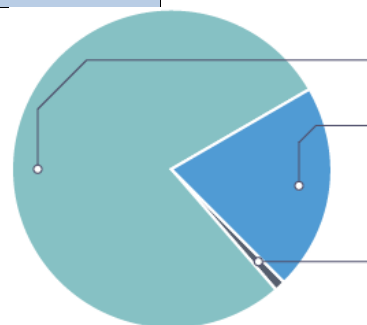
Year 7— Earth chemistry (part 2)

Crust	The outer layer of the Earth on top of the mantle.
Ore	A rock contains a metal or metal compound that can be extracted. Most metals are found in this form in the Earth's crust.
Metal extraction	When a metal is take from it's combined state it's pure form.
Reactive	The tendency of a substance to undergo a chemical reaction.
Reactivity series	A list of metal in order of their “reactivity” from highest to lowest.
Unreactive	A substance that does not easily take part in chemical reactions.
Metal reacting with acid	metal + acid \longrightarrow salt + hydrogen
Ductile	Easily drawn into a wire.
Malleable	Able to be hammered or pressed into shape.
Conductive	Able to transmit heat and/or electricity.
Density	The number of particles in a given volume.
Recycling	The process of converting waste material into reusable material.
Recyclable	A material that can be recycled.
Atmosphere	The layer of gases surrounding the earth.
Composition of todays atmosphere	78 % Nitrogen (N), 21 % Oxygen (O), 1% other gases including Argon and Carbon Dioxide
Abundant	If there is a lot of something.
Volcanoes	An opening in the Earth's crust that allows hot magma to escape.
Photosynthesis	A process plants do that takes in carbon dioxide and gives out oxy-gen.

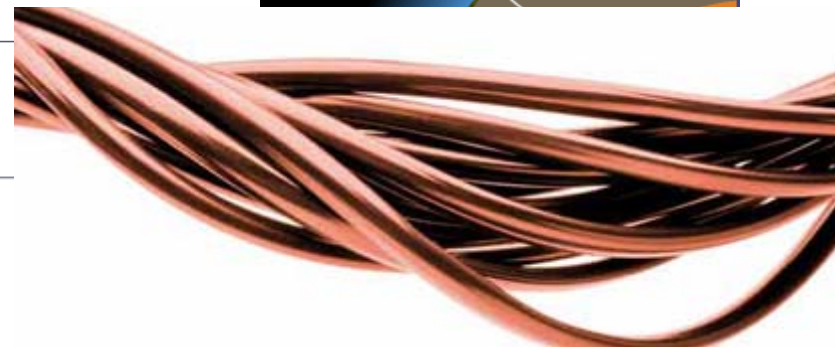
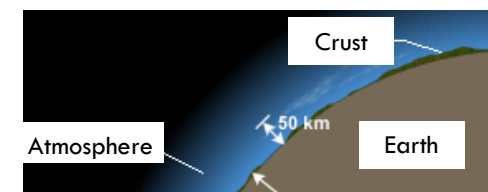


Quizlet

Bitesize Bitesize



78% Nitrogen



What is a knowledge organiser?

A revision tool containing all the key information about a particular topic of science. The table section of the knowledge organiser houses key scientific terms or concepts each with a description or definition.

How can I use my knowledge organiser?

Each week you will be asked to use your knowledge organiser to create one of the following:

Flash cards

Cut out small squares of paper or card (approx. 7cmx7cm).

On one side write a keyword or concept and the definition/ description it on the reverse side.
Repeat this for all the keywords on the knowledge organiser.

You can use these flash cards to quiz yourself or partner.

Self-quizzing

Memorise 2-3 rows of the table on the knowledge organiser.

Year 7- Waves and energy		
Circuit	A closed loop through which charge moves - from an energy source, through a series of components, and back into the energy source.	
Circuit symbol	Diagram used to represent an electrical component in a circuit diagram.	

Cover the right column of the table and attempt to write the definition/ description down for the words you have memorised (bold words are mandatory).

Check every word in bold on the knowledge organiser is present and spelt correctly (making correction is green pen).

Repeat this process for the entire table on the knowledge organiser.

Year 7- Waves and energy		
Circuit		
Circuit symbol		

Concept map

Place the name of the topic in the centre a blank A3/A4 page.

Use arrows to link phrases, keywords, ideas and concepts for the topics from your own knowledge or from the knowledge organiser. Write words on the arrows that explain why you have made connections.

If you require any further information then do not hesitate to ask your science teacher.