

Define the following key terms:

Atom	
Element	
Molecule	
Mixture	
Pure	
Particle	

Draw examples of the following:



Atoms of an element



A mixture of 3 elements



A compound



Molecules of an element

Describe what an element's chemical symbol is.

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Describe what an element's properties are and explain how they are determined.

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Describe one way in which we can save the Earth's resources.

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Spider-diagram elements that make up the Earth's crust:



Suggest the properties of copper that make it useful for making saucepans.

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State two ways in which carbon can be found:

- 1.
- 2.

Describe the general properties of metals.

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Describe how the properties of non-metals are different to those of metals.

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State the name and symbol of 3 metals:

- 1.
- 2.
- 3.

State the name and symbol of 3 non-metals:

- 1.
- 2.
- 3.

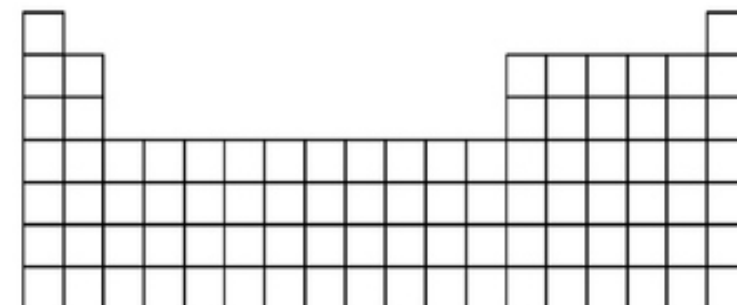
Describe why mercury is so unique for a metal.

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Colour the metals and non-metals on the periodic table below:

Periodic Table of the Elements



Describe what changes you might see when a compound is formed.

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Explain what happens when iron and sulfur are heated together.

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Describe how to separate iron and sulfur.

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