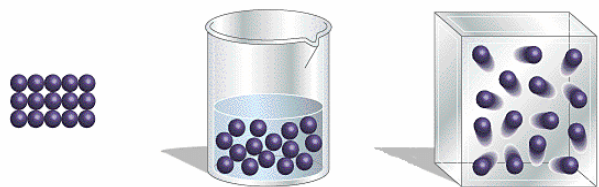


# Gases Around Us Fact Sheet

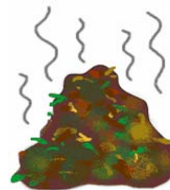


The air we breathe on planet earth is a mixture of gases, 70% of which is nitrogen.

Trees and other green plants make their own food. They produce **oxygen** when they make **energy**.



## Anaesthetic gas

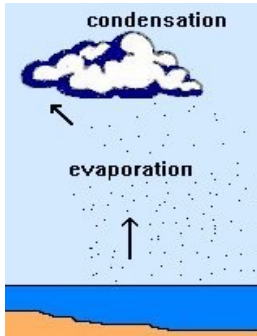


## Methane gas

This cylinder contains compressed air.

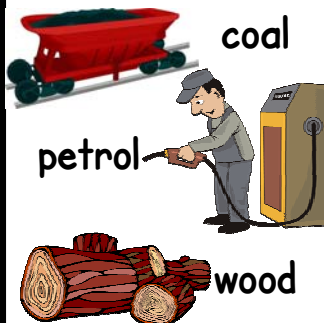


Natural gas is found underground and is used as a **fuel**. Burning fuels produce **carbon dioxide**.



Water vapour is a gas: it **condenses** back into a liquid to form

## Other fuels



We can smell the **odours** produced by some gases around us.



**Helium gas** filled balloons float because **helium** is lighter than air.



# Gases Around Us Glossary

<b>air</b> - a mixture of gases present in the atmosphere of the Earth	<b>helium</b> - a gas which is lighter than air which is used to fill balloons
<b>anaesthetic gas</b> - a gas used in hospitals to cause a patient to be unconscious during an operation.	<b>methane</b> - a gas produced by rotting food and vegetable matter - may be used as a fuel
<b>carbon dioxide</b> - a common gas produced by living things when they use energy	<b>natural gas</b> - a gas found under the ground which is used for fuel in homes and businesses
<b>compressed air</b> - air which is filled into tanks under pressure such that it takes up a much smaller space	<b>nitrogen</b> - the colourless, odourless gas that forms 70% of the air
<b>condensation</b> - the process of change from a gas to a liquid	<b>odour</b> - the smell of a gas
	<b>oxygen</b> - a common gas found in the air. It is essential for life
<b>diffusion</b> - the process of movement of gas particles	<b>particle</b> - very small pieces of a material - the particles of a gas are too small to see, even with a microscope
<b>evaporation</b> - the process of change from a liquid into a gas	<b>states of matter</b> - three states - <b>solid, liquid and gas</b>
<b>fuel</b> - a source of energy e.g. gas, wood, coal, food	<b>volume</b> - the space taken up by a gas
<b>gap</b> - the unfilled space between particles	<b>water vapour</b> - the gaseous form of water
<b>gas</b> - one of the three states of matter. Gases move to fill any available space	