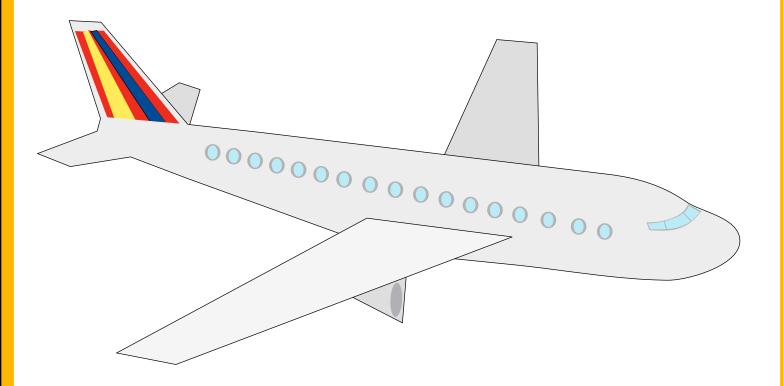


## **Fuels**

For pupils aged 7-11

## **Activity sheet**



This Activity Sheet is provided by Rolls-Royce plc as part of our continuing commitment to education



## Fuels

Fuels are materials that can be burnt to release energy. Sometimes a fuel can be burnt to release energy that is used to make a machine work. All the machines below are forms of transport. Draw a line from the form of transport to the type of fuel that is used to make it work. An example has been done for you.

Form of transport	Fuel used
Car	Kerosene (aviation fuel)
Lorry	Coal
Jet aeroplane	Propane (gas)
Steam train	Petrol
Hot air balloon	Diesel
	do not burn a fuel to make them work? Write the For each one try to say where you think the energy



## Fuels

When fuels are burnt they join with oxygen from the air and new materials are made.

The main new materials are water and a gas called carbon dioxide. These changes can not usually be reversed to get the fuel back. Burning fuels is an example of a permanent change to materials.

Sometimes fuels are used to give us a source of heat or light. For example when a candle burns the candle wax is the fuel and the flame gives of light.

In the space below write down three examples showing how fuels can be used to give heat or light. For each one say what the fuel is and describe how it is used.