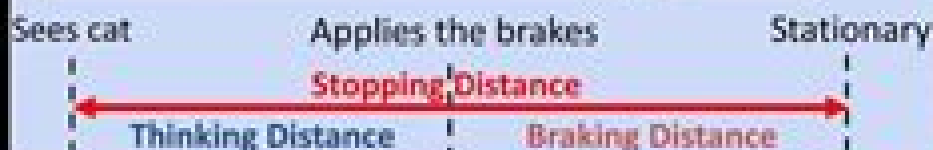


Thinking and Braking Distance

You are travelling in a car. An animal runs out into the road.
The **distance travelled before you react** is called the **thinking distance**.

The distance you travel while braking is called the **braking distance**.

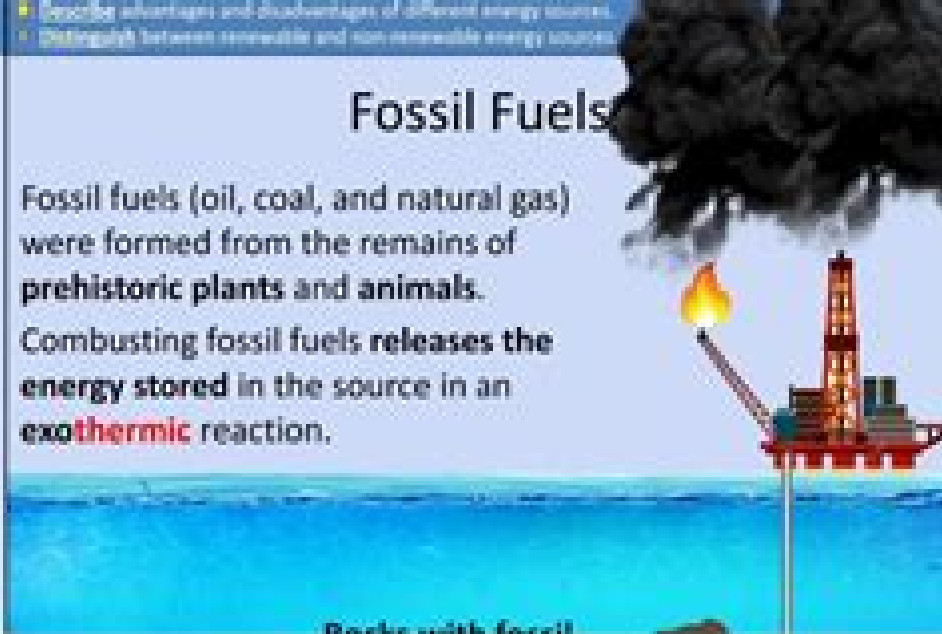
The total distance travelled is the **stopping distance**.



Fossil Fuels

Fossil fuels (oil, coal, and natural gas) were formed from the remains of prehistoric plants and animals.

Combusting fossil fuels releases the energy stored in the source in an **exothermic** reaction.

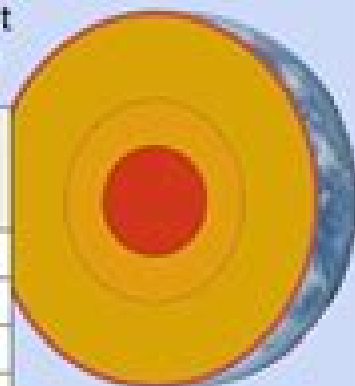


GCSE OCR Physics: P8 Global Challenges

Student Activity

Below is data about the Earth's structure.
Describe what the data shows about the structure of the Earth. (3)

Structure	Approximate Temperature (°C)	Approximate Density (kg/m ³)
Crust	20 – 400	2 600
Mantle	500 – 4 000	5 000
Outer core	4 400	11 000
Inner core	5 900	12 900



The Solar System

The **Sun** is a **star** in the centre of the **solar** system.

The next four planets are called the gas giants.



Sun
Mercury
Venus
Earth
Mars
Jupiter
Saturn
Uranus
Neptune

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Chao Zhang



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