

Match the following statements:



Click mouse to reveal answer

Fossil fuels like crude oil are used to...



Underground and over ground cables.

During the combustion of fossil fuels
polluting gases like...



With electrical energy for when they are
switched on.

Inside a turbine generator the copper
coil rotates around a magnet...



Wave, wind and solar power are now
used to generate 'clean electricity.'

Electricity is distributed across a large
network of...



Inducing a current flow inside the copper
wire.

A current or flow of electrons supplies
household devices...



Produce heat energy which then boils
water producing steam to drive turbines.

Renewable forms of energy like...



Carbon dioxide and sulphur dioxide are
released into the atmosphere.

Answer:

Fossil fuels like crude oil are used to...



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During the combustion of fossil fuels polluting gases like...



Carbon dioxide and sulphur dioxide are released into the atmosphere.

Inside a turbine generator the copper coil rotates around a magnet...



Inducing a current flow inside the copper wire.

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A current or flow of electrons supplies household devices...



With electrical energy for when they are switched on.

Renewable forms of energy like...




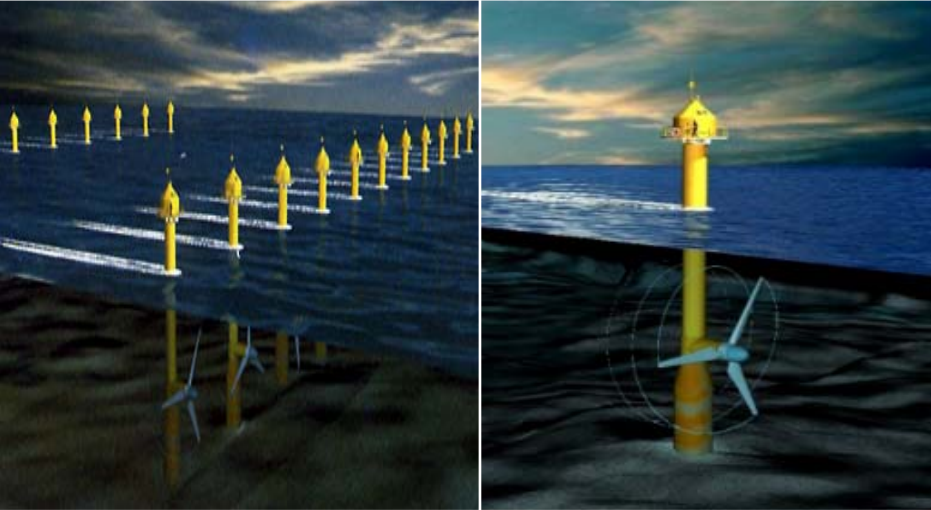
Wave, wind and solar power are now used to generate 'clean electricity.'

plenary two


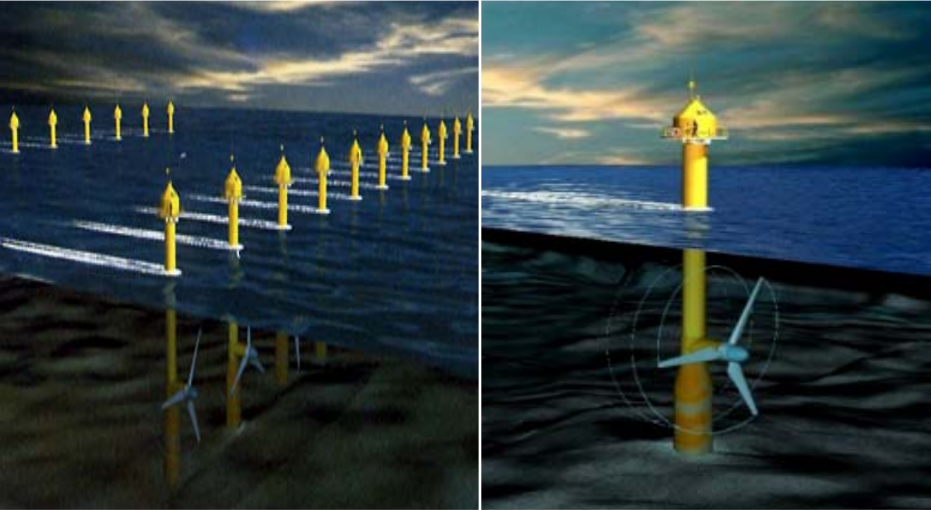
Look at the pictures and text about generating electrical energy from wave power: Complete the text below:



Click mouse to reveal answer

	Kinetic energy from waves	Offshore wave electricity generators
Diagram		
Notes	<p>The kinetic energy of moving water is used to generate e_____ energy. Offshore wave generators like those pictured above, have little or no impact on the environment. Unlike f_____ fuels, wave energy creates no polluting gases like c_____ d_____. The only drawback is that wave energy can be unreliable. When there are no w_____, no electricity can be generated.</p>	

Answer:

	Kinetic energy from waves	Offshore wave electricity generators
Diagram		
Notes	<p>The kinetic energy of moving water is used to generate <u>electrical</u> energy. Offshore wave generators like those pictured above, have little or no impact on the environment. Unlike <u>fossil</u> fuels, wave energy creates no polluting gases like <u>carbon dioxide</u>. The only drawback is that wave energy can be <u>unreliable</u>. When there are no <u>waves</u>, no electricity can be generated.</p>	

9I Energy and electricity...Generating electricity

level 5
level 6
level 7

plenary three

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Look at the four pictures below. Decide what type of energy (Hydroelectric, wind power, fossil fuels or solar power) is being used to generate electricity:




Click mouse to reveal answer

	Example one	Example two	Example three	Example four
Diagram				
	<i>Hydroelectricity</i>	<i>Hydroelectricity</i>	<i>Hydroelectricity</i>	<i>Hydroelectricity</i>
	<i>Wind power</i>	<i>Wind power</i>	<i>Wind power</i>	<i>Wind power</i>
	<i>Biogas</i>	<i>Biogas</i>	<i>Biogas</i>	<i>Biogas</i>
	<i>Solar power</i>	<i>Solar power</i>	<i>Solar power</i>	<i>Solar power</i>

plenary three

Answer:

	Example one	Example two	Example three	Example four
Diagram				
				<i>Hydroelectricity</i>
	<i>Wind power</i>			
		<i>Biogas</i>		
			<i>Solar power</i>	