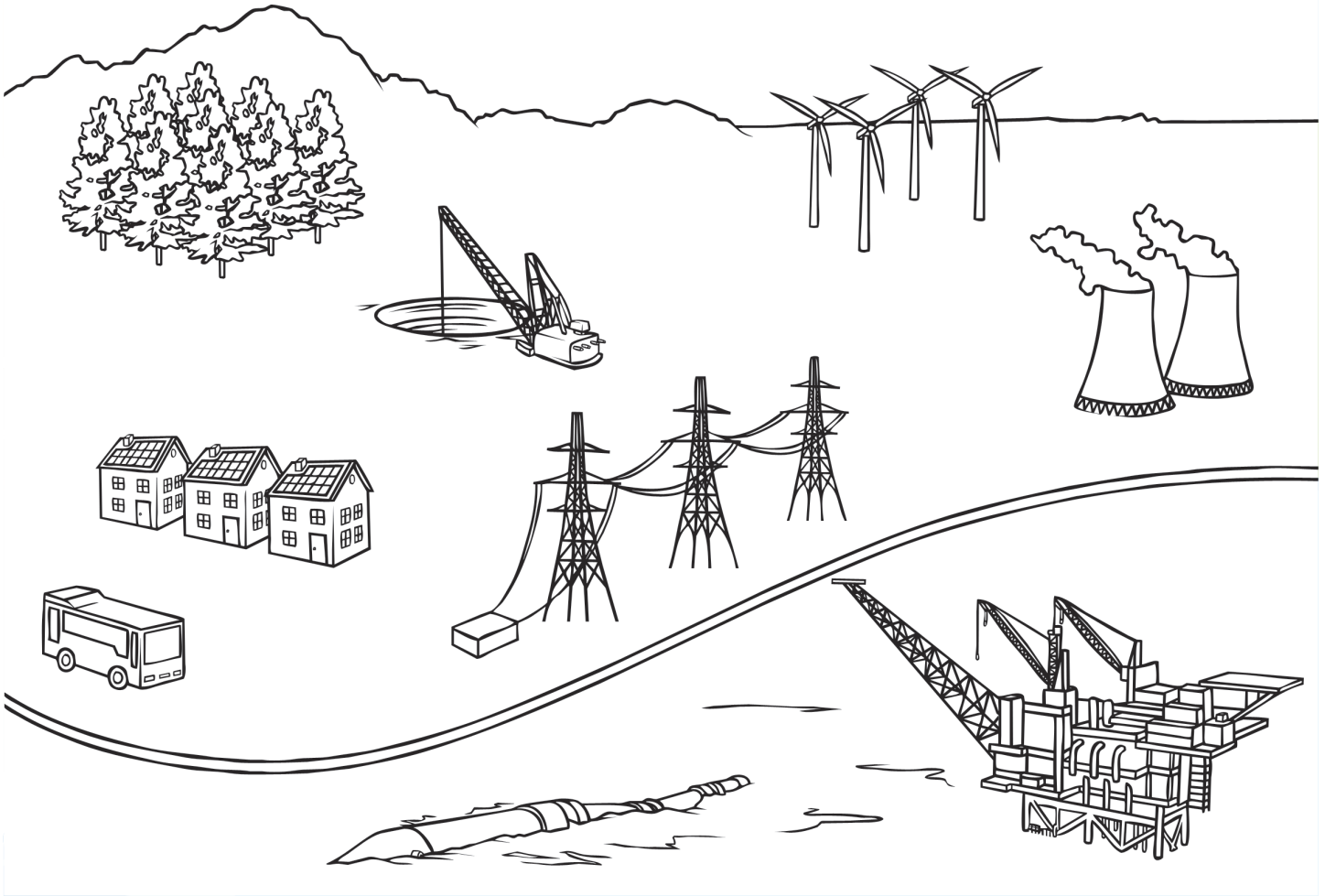


Name:	Class:	Date given:
		Date due in:

# Energy Resources



1. Label the resources on the diagram, choosing the appropriate words from the box below. You will not need to use all of the labels. [9]

biomass energy	hydroelectricity	wind energy	solar power
coal mine	natural gas	electricity pylons	hydrogen fuel
oil platform	power station	geothermal energy	wave energy

2. Sort each of the energy resources into the table below. [6]

Renewable	Non-Renewable

3. What is a renewable energy resource? [2]

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4. Name a gas which is released when fossil fuels are burned. Describe the harm this gas causes to the environment. [2]

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5. Put each of the statements into the correct boxes on the table below. [6]

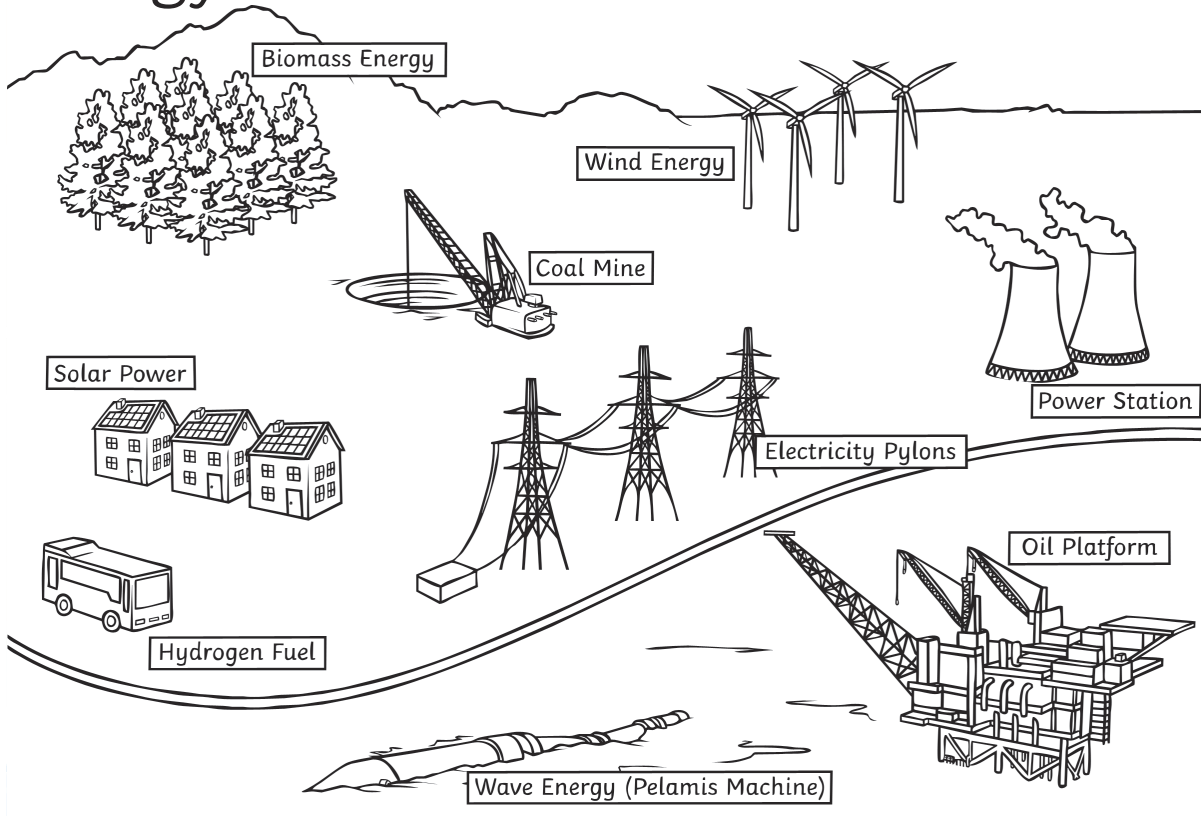
- A Supply will eventually run out and cannot be replaced
- B Supplies can be replaced quite easily
- C Can be used anywhere to release a lot of heat energy
- D Produces no pollution and will not run out
- E Not a fossil fuel, but releases emissions when used
- F Can only be used in certain conditions

Energy Source	Advantage	Disadvantage
Biomass		
Solar Power		
Coal		

**Learning Outcomes** (tick if achieved)

Q1	I can identify a range of energy sources	
Q2	I can distinguish renewable and non-renewable energy sources	
Q3	I understand what a renewable energy resource is	
Q4	I can identify a harmful gas released from burning fossil fuels	
Q5	I can identify advantages and disadvantages of energy sources	

# Energy Resources Answers



1. Label the resources [9] 1-2 correctly labelled 1 mark, then 1 mark for each correct label
2. Sort each of the energy resources into the table below. [6]

Renewable	Non-Renewable
geothermal energy, hydroelectricity, solar power, biomass energy, wind energy, wave energy	natural gas, hydrogen fuel, coal mine, oil platform.

3. What is a renewable energy resource? [2]

**An energy source that can be replenished and used over again without running out**

4. Name a gas which is released when fossil fuels are burned. Describe the harm this gas causes to the environment. [2]

**CO<sub>2</sub> / methane / water vapour – contributes to greenhouse effect and climate change**

5. Put each of the statements into the correct boxes on the table below. [6]

Energy Source	Advantage	Disadvantage
Biomass	<b>Supplies can be replaced quite easily</b>	<b>Not a fossil fuel, but releases emissions when used</b>
Solar Power	<b>Produces no pollution and will not run out</b>	<b>Can only be used in certain conditions</b>
Coal	<b>Can be used anywhere to release a lot of heat energy</b>	<b>Supply will eventually run out and cannot be replaced</b>