

Energy

1. Energy costs

CONCEPT 3

TEST YOURSELF

ENERGY RESOURCES

KNOW

- Q1 What are the three types of fossil fuel?
- Q2 Name a non-renewable energy source that is not a fossil fuel.
- Q3 Name four renewable generation methods.

APPLY

- Q4 Give **one advantage** and **one disadvantage** of wind power.
- Q5 Give **one advantage** and **one disadvantage** of hydroelectric power.

EXTEND

The table shows how much it costs to produce electricity by different methods in the UK.

- Q6 Gas turbine stations provide electricity for the lowest cost.

Should the UK build electricity generating power stations only using gas turbines?

Give two reasons for your decision.

Type of power station	Cost: £ / MWh
Gas	80
Coal	102
Coal with carbon capture	122
Nuclear	81
Offshore wind farm	126
Solar	169
Onshore wind farm	97
Biomass	119
Hydroelectric	106
Tidal	150