Question			Answer	Mk
1.	a.	Which form of renewable energy had the greatest capacity in 2009?	Onshore wind	1
	b.	Which form of renewable energy had the greatest capacity in 2018?	Solar	1
	C.	Name two forms of energy that are NOT shown on the graph.	Coal, oil/gas, nuclear, wood etc.	2
2.	a.	What did coal used to be, millions of years ago?	Plants	1
	b.	Explain how coal is used to generate electricity.	Four marks for these four things or similar, in the correct order. • Coal is burnt to heat water • Water becomes steam • Steam turns a turbine • Turbine powers a generator that makes electricity	4
3.	a.	Is sunlight renewable?	Yes	1
	b.	Explain one pro and one con of using solar power instead of coal.	Award one mark for a point and a second if it is explained in some detail. • It doesn't create CO2 • It's renewable (won't run out) • It's relatively cheap • Takes up a lot of space • NIMBYs may object • Produces a lot of GHG in the creation of it. Any other valid points.	4
4		Which form of energy production is best for the UK? Explain your answer. Aim to talk about a range of different sources of energy. Be sure to come to a definite conclusion as to which is best and WHY.	For this question, use the following best fit from the table below.	

| Level 1 | Describes one form of power and briefly states why it would be best.

Low quality of English – SpaG (Spelling, punctuation and grammar) | 1-2 |
| --- | --- | --- |
| Level 2 | Explains and compares two or more types of energy.

Answers that explain two types but mention further types should get high marks in this bracket.

Comes to a basic conclusion as to the best form of energy.

Good SPaG – some mistakes but not many. | 3-7 |
| Level 3 | Explains and evaluates a range of energy production methods (3+).

Comes to a clear, reasoned conclusion.

Excellent SPaG with very few errors. | 8-10 |

When you have found a mark out of 24, use this grid to show what grade you have achieved:

Marks	Grade
10 or less	2
11-14	3
15	4c
16	4a
17	5c
18	5b
19	5a
20	6c
21	6b
22	6a
23	7c
24	7b