

**Answer ALL questions.**

**1** This question is about energy resources.

(a) The table lists some methods of generating electricity using energy resources.

Place ticks (✓) in the table to show if each method uses a renewable energy resource.  
One has been done for you.

(3)

Method of generating electricity	Uses a renewable energy resource
coal power station	
diesel generator	
geothermal power station	
hydroelectric power station	
natural gas turbine	
nuclear power station	
solar cell	✓
wind turbine	

(b) Solar cells can be used to generate electricity.

(i) How is energy transferred from the Sun to a solar cell?

(1)

- ☐ **A** by heating
- ☐ **B** by radiation
- ☐ **C** electrically
- ☐ **D** mechanically

(ii) State one disadvantage of using solar cells to generate electricity.

(1)

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**(Total for Question 1 = 5 marks)**

