

Name \_\_\_\_\_ Date \_\_\_\_\_

A banner with a light blue and green background. On the left, there is a power line tower. On the right, there are industrial cooling towers. The text "Energy Resources Exam-style questions" is written in a large, bold, black font across the center.

# Energy Resources Exam-style questions

The answers to all of these can be found at [www.darvill.clara.net/altenerg](http://www.darvill.clara.net/altenerg)

1. Name 2 fossil fuels

\_\_\_\_\_? \_\_\_\_\_? (2 marks)

2. Name a non-renewable energy resource that is not a fossil fuel

\_\_\_\_\_? (1 mark)

3. Describe how a gas-fired power station works

\_\_\_\_\_  
\_\_\_\_\_ (3 marks)

4. Name two advantages of generating electricity using nuclear power

\_\_\_\_\_  
\_\_\_\_\_? (2 marks)

5. Which uranium isotope is only 0.7% of natural uranium, and is the "fissile" part?  
(Hint: the answer is a number, "Uranium-23something") \_\_\_\_\_? (1 mark)

6. Describe two methods for getting energy from sunlight

1. \_\_\_\_\_?  
2. \_\_\_\_\_? (2 marks)

7. Describe three disadvantages of wind power

1. \_\_\_\_\_?  
2. \_\_\_\_\_?  
3. \_\_\_\_\_? (3 marks)

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8. What is a Tidal Barrage? Describe where one could be built.  
Name one advantage and one disadvantage of this method of generating power.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (4 marks)

9. Why does New Zealand make more use of hydroelectric power than the UK?  
\_\_\_\_\_ (1 mark)

10. Why does Switzerland not use tidal barrages?  
\_\_\_\_\_ (1 mark)

11. What is a Pumped Storage Reservoir and why do we need them?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ (3 marks)

12. Name the energy resource that involves extracting heat from rocks  
\_\_\_\_\_ (1 mark)

13. Name two materials that we can burn in order to get energy from "Biomass"  
\_\_\_\_\_  
\_\_\_\_\_ (2 marks)

(Total 26 marks)