

# EXAMINATION QUESTIONS - PUMP STORAGE SYSTEMS

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**HELPFUL LINK:** <https://technologystudent.com/energy1/pstr1.htm>

1. Why does electricity cost more during the daytime ? **1 mark**

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2. What is 'off peak' electricity ? **1 mark**

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3. Describe the way in which a Pump Power Station, such as Dinorwig in Wales, produces electricity. **5 marks**

Include the following key words / phrases in your answer:

LOW LAKE - HIGH LAKE - OFF PEAK ELECTRICITY - TURBINES

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4. In the space below, draw or paste an image of the Dinorwig Pump Power Station. **5 marks**  
Clearly identify the following :

GENERATING  
FACILITY

TURBINES

HIGH LAKE

PUMP STATION

LOW LAKE