

EXAMINATION QUESTIONS - ENERGY FROM THE SEA

HELPFUL LINKS: <https://technologystudent.com/energy1/tidal1.htm>

1. Why are some countries ideally located to take advantage of the power of the sea ?
1 mark

2. What are the two main problems related to harnessing sea power ? **2 marks**

3. What are the three main ways of harnessing the power of the sea ? **3 marks**

4. Why is tidal power considered to be a good prospect when considering electricity generation ? **3 marks**

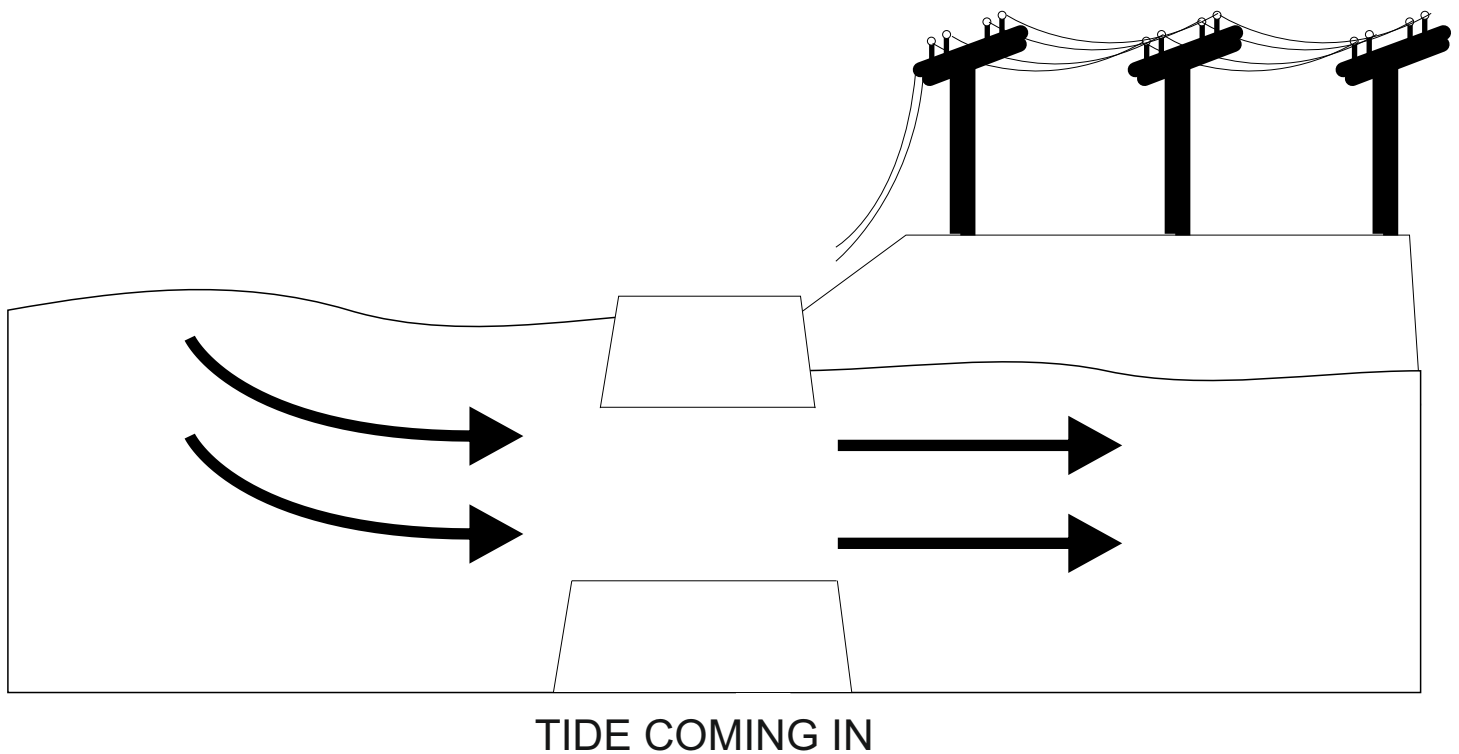
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4. The incomplete diagram seen below, shows a system for generating electrical power from the incoming tide.

Complete the diagram by adding the missing parts. **3 marks**

Add appropriate colour and shade and labels identifying the various parts. **3 marks**



Add notes that describe how this type of system works. Include a description of how it can be used to generate electricity when the tide is going out and coming in. **4 marks**
