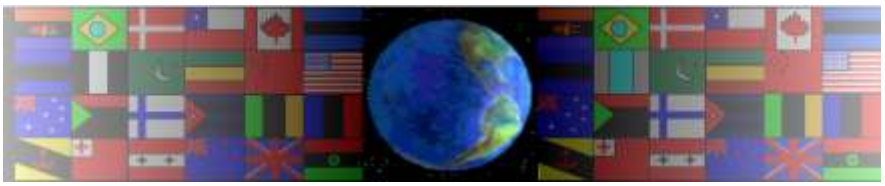
ENERGY FROM THE SEA

On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet .

ENERGY FROM THE SEA

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

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

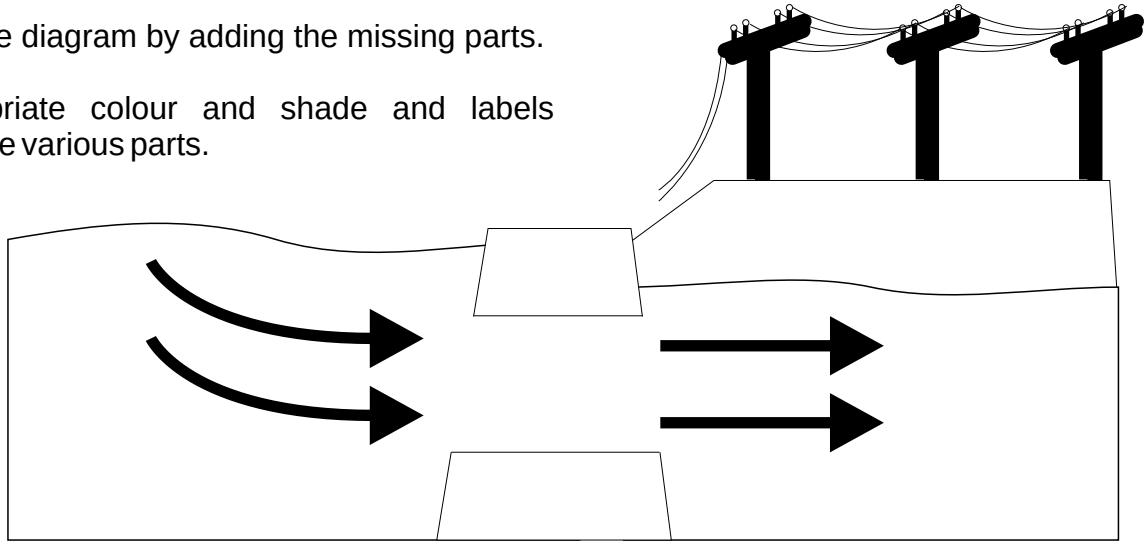
3. What are the three main ways of harnessing the power of the sea ?

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

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.

Add appropriate colour and shade and labels identifying the various parts.



TIDE COMING IN

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.