

Fan Boats Worksheet

Name:.....

SCIENCE: ELECTRICITY

Label these electrical parts:



Draw your circuit using these circuit symbols and using lines to represent the wires. Label the components.



Is metal an insulator or a conductor?

Is plastic an insulator or a conductor?

What could happen if you short circuit your battery?

What will happen if you leave the circuit switched on for a long time?

SCIENCE: MATERIALS	
Which items floated?	
Which items sank?	
Solid polystyrene is denser than water. Why did the piece of polystyrene foam float?	
SCIENCE: FORCES	
What force pulls the boat down onto the water?	
What opposing force pushes the boat up?	
What is the main force opposing the boat moving?	
DESIGN AND TECHNOLOGY	
Did your design meet your design criteria? Did you make any modifications?	
EXTENSION QUESTION	
Explain why the fan boat moves across the water.	