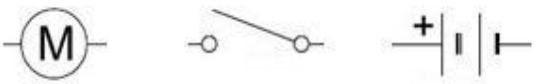




Fan Boats Question Sheet

Name.....

Science: Electricity	
Name the electrical part (components) used in your circuit.	
Draw your circuit using these circuit symbols, and using lines to represent the wires. Label the components. 	
What will happen if you leave the circuit switched on for a long time?	
Why do you need to attach the crocodile clips onto bare metal, not onto plastic insulation?	
What could happen if you short circuit your battery? (A short circuit allows the electricity to flow round with very little resistance. For example if you accidentally connect your battery wires together instead of connecting via the motor.)	

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.	