



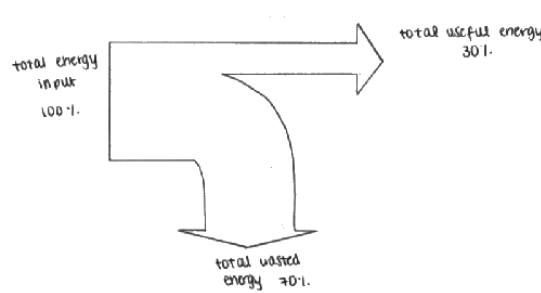
# **Mark Scheme (Results)**

## **Summer 2017**

**Pearson Edexcel International GCSE  
in Physics (4PH0) Paper 1PR**

**Pearson Edexcel International GCSE  
in Science (Double Award) (4SC0) Paper 1PR**



Question number	Answer	Notes	Marks
7 (a)	<p>D – kinetic to electrical;</p> <p>The only correct answer is D</p> <p>A is not correct <b>because it's the</b> wrong energy transfer</p> <p>B is not correct <b>because it's the</b> wrong energy transfer</p> <p>C is not correct <b>because it's the</b> wrong energy transfer</p>		1
(b)	<p>any 2 methods:</p> <p>hydroelectric;</p> <p>photovoltaic (panels / cells);</p> <p>geothermal;</p> <p>biomass;</p> <p>tidal;</p> <p>waves;</p>	allow solar (panels / cells / farm)	2
(c) (i)	any 1 of: sound; thermal;	ignore 'noise' allow 'heat'	1
(ii)	<p>Sankey diagram giving:</p> <p>MP1. one input and more than one output;</p> <p>MP2. two correct labels;</p> <p>MP3. roughly correct proportions;</p> <p>e.g.</p> 	<p>allow</p> <p>output arrows in either direction</p> <p>output arrows in same direction</p> <p>2 from:</p> <ul style="list-style-type: none"> <li>• input/kinetic/total</li> <li>• useful/electrical</li> <li>• wasted/heat/thermal/sound</li> </ul> <p>judge by eye</p>	3

Total for question 7 = 7 marks