

Question number	Answer	Notes	Marks														
1 (a)	one mark for each correct tick;;; <table><tr><th>Energy source</th><th>Tick</th></tr><tr><td>wind</td><td></td></tr><tr><td>oil</td><td>✓</td></tr><tr><td>coal</td><td>✓</td></tr><tr><td>geothermal</td><td></td></tr><tr><td>bio-gas</td><td></td></tr><tr><td>nuclear</td><td>✓</td></tr></table>	Energy source	Tick	wind		oil	✓	coal	✓	geothermal		bio-gas		nuclear	✓	2 marks max. if 4 ticks 1 mark only if 5 ticks 0 marks if 6 ticks	3
Energy source	Tick																
wind																	
oil	✓																
coal	✓																
geothermal																	
bio-gas																	
nuclear	✓																
(b)	advantage: any one from <ul style="list-style-type: none">• high energy density / eq;• short start up time / adaptable to demand;• reliable technology;• does not depend on weather conditions;• (relatively) cheap; disadvantage: any one from <ul style="list-style-type: none">• produces CO₂ / greenhouse gases / air pollution / sulphur dioxide / nitrous oxide;• causes global warming;• causes acid rain;	ignore ideas about transportation allow ‘produces large amount of energy’ allow non-renewable ignore unqualified ‘damages environment’, ‘pollution’ etc.	2														

Total for question 1 = 5 marks