Question number	Answer	Notes	Marks
5 (a) (i)	geothermal / geothermic;	allow nuclear	1
(ii)	<ul><li>any suitable resource or method;</li><li>e.g.</li><li>wind (turbine)</li></ul>	ignore nuclear	1
	hydro-electric	ignore unqualified 'water'	
	waves tidal		
	solar (panels)	allow photovoltaic cells, (sun)light	
	biofuels/biomass	allow wood	
(b)	any four from:	allow 'mechanical energy' for KE throughout	4
	MP1. thermal energy is transferred from hot rock to cold water OR water heats up;	allow 'heat' for thermal energy	
	MP2. water molecules gain KE (as they are heated);	allow water turned into steam	
	MP3. steam gains KE as it is heated by the rock;		
	MP4. GPE of steam increases as it gains height;		
	MP5. turbine gains KE from hot water/steam;		
	MP6. generator (coils) transfer KE (from turbine) into electrical energy;	allow turbine transfers KE to electrical energy	
	MP7. electrical energy is transferred from pump into GPE/KE of water;		
		total marks = 6	