

| Question number | Answer | Notes | Marks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|--|---|--------------|----------|--|--|----------------------------------|---------|-------------------------|---------|----------|--------------------------|---|--|--|--|-----------------------------|--|---|--|--|------------------|--|--|--|---|--------------|--|--|---|--|--|---|
| 1 (a) (i) | each tick correctly placed in each row;;; <table border="1"><thead><tr><th></th><th colspan="4">Energy store</th></tr><tr><th>Method of generating electricity</th><th>Thermal</th><th>Gravitational potential</th><th>Kinetic</th><th>Chemical</th></tr></thead><tbody><tr><td>Geothermal power station</td><td>✓</td><td></td><td></td><td></td></tr><tr><td>Hydroelectric power station</td><td></td><td>✓</td><td></td><td></td></tr><tr><td>Petrol generator</td><td></td><td></td><td></td><td>✓</td></tr><tr><td>Wind turbine</td><td></td><td></td><td>✓</td><td></td></tr></tbody></table> | | Energy store | | | | Method of generating electricity | Thermal | Gravitational potential | Kinetic | Chemical | Geothermal power station | ✓ | | | | Hydroelectric power station | | ✓ | | | Petrol generator | | | | ✓ | Wind turbine | | | ✓ | | more than one tick in a row negates the mark | 4 |
| | Energy store | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Method of generating electricity | Thermal | Gravitational potential | Kinetic | Chemical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Geothermal power station | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydroelectric power station | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Petrol generator | | | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wind turbine | | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (ii) | petrol generator; | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) | any two from: MP1. idea of noise pollution; MP2. idea of visual pollution; MP3. idea that turbine only generates electricity when the wind blows; MP4. difficult for output to match demand; MP5. wind is a dilute source of energy; MP6. can cause harm to migrating flocks of birds; | ignore statements relating to cost ignore bald 'pollution' ignore bald 'pollution' ignore 'do not generate much electricity/energy' allow idea that wind farms take up a lot of space | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Total for Question 1 = 7 marks