

1 Penjanaan tenaga elektrik melibatkan aplikasi _____ yang terdapat dalam suatu generator.
Generation of electrical energy involves the application of _____ found in a generator.

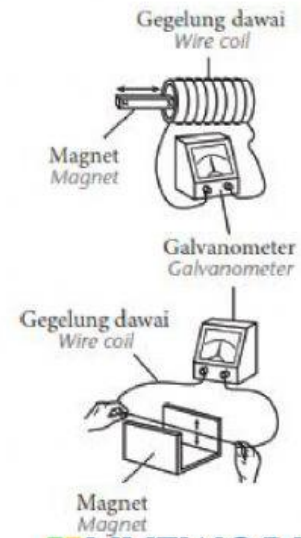
2 (a) Di dalam sebuah generator, arus teraruh dalam dawai apabila garisan medan magnet _____.
In a generator, current is induced in the wire when the magnetic field lines are _____.

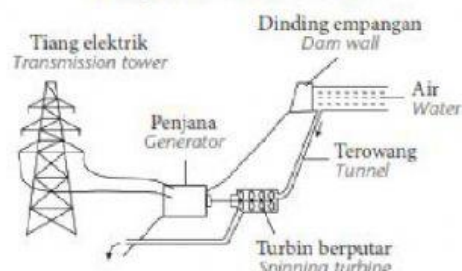
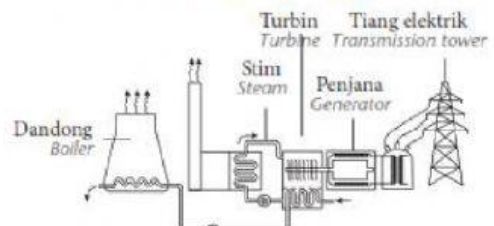
(b) Garisan medan magnet boleh dipotong dengan menggunakan satu daripada cara berikut: / The magnetic field lines can be cut using one of the following ways:

- Putaran magnet dalam suatu gegelung dawai yang _____.
Turning a magnet inside a _____ coil of wire.
- _____ gegelung dawai dalam suatu magnet yang pegun.
_____ a coil of wire inside a stationary magnet.

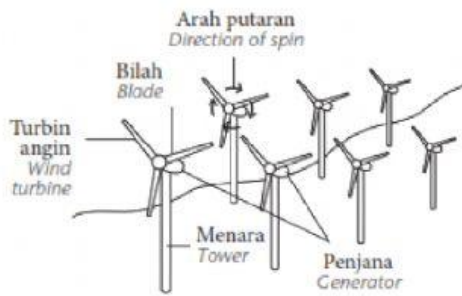
(c) Arus yang dihasilkan ialah arus _____.
The current produced is an _____ current.

(d) Arus ulang-alik yang terhasil akan menyebabkan mentol _____.
The alternating current produced will cause the bulb to _____.

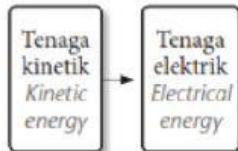


Stesen jana kuasa yang menggunakan sumber boleh baharu / Power stations using renewable energy sources	Stesen jana kuasa yang menggunakan sumber tidak boleh baharu / Power stations using non-renewable energy sources
<p style="text-align: center;">Tenaga hidro / Hydro energy</p>  <p>Labels in diagram: Tiang elektrik (Transmission tower), Dinding empangan (Dam wall), Air (Water), Penjana (Generator), Terowang (Tunnel), Turbin berputar (Spinning turbine).</p> <ul style="list-style-type: none"> Menggunakan pergerakan _____ dari kawasan tinggi untuk memutar penjana. <p>Use movement of _____ from a higher ground to spin the generator.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Tenaga keupayaan graviti <i>Gravitational potential energy</i></div> <div style="font-size: 2em;">→</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Tenaga kinetik <i>Kinetic energy</i></div> <div style="font-size: 2em;">→</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Tenaga elektrik <i>Electrical energy</i></div> </div>	<p style="text-align: center;">Diesel, gas asli, arang batu Diesel, natural gas, coal</p>  <p>Labels in diagram: Dandong (Boiler), Turbin (Turbine), Stim (Steam), Penjana (Generator), Tiang elektrik (Transmission tower).</p> <ul style="list-style-type: none"> _____ yang dihasilkan daripada pembakaran gas asli menyebabkan putaran penjana. <p>_____ produced from the combustion of natural gas causes the generator to spin.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Tenaga kimia <i>Chemical energy</i></div> <div style="font-size: 2em;">→</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Tenaga haba <i>Heat energy</i></div> <div style="font-size: 2em;">→</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Tenaga kinetik <i>Kinetic energy</i></div> <div style="font-size: 2em;">→</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Tenaga elektrik <i>Electrical energy</i></div> </div>

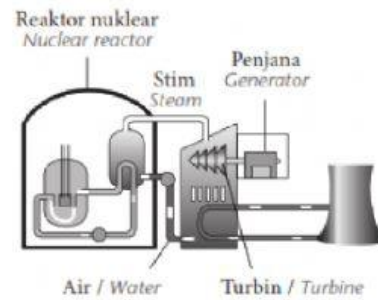
Tenaga angin / Wind energy



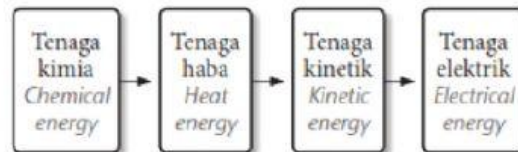
- Tiupan _____ menyebabkan putaran penjana.
Blowing _____ causes the generator to spin.



Bahan api nuklear / Nuclear fuel



- Haba daripada reaktor nuklear memanaskan air untuk menghasilkan _____ yang menyebabkan putaran penjana. / Heat from the nuclear reactor heats up the water to produce _____ causing the generator to spin.



- Penjana mengubah tenaga _____ kepada tenaga _____.
The generator converts _____ energy into _____ energy.