

## **6.1 Generation of Electricity**

Fill in the blanks with the correct answers :

Direct	Bicycle dynamo	Wind	Power station	non-renewable	Voltage changes
Petroleum	renewable	Current directions	Alternating	induced	Solar energy

1. The source of energy used to generate electric energy can be classified into \_\_\_\_\_ energy source and \_\_\_\_\_ energy source.
2. State the energy source involved :
  - a) Used to rotate the windmills to generate electricity. \_\_\_\_\_
  - b) Yellowish black natural liquid which is found beneath the Earth's surface. \_\_\_\_\_
  - c) Light energy from the sun is converted into electricity by solar cell. \_\_\_\_\_
3. A generator generates electricity with the production of \_\_\_\_\_ current.
4. \_\_\_\_\_ current is an electric current that flows in one direction only.
5. \_\_\_\_\_ current is an electric current that flows in constantly reversing directions.
6. State the examples of the situation that applies the principle of induced current.
  - a) \_\_\_\_\_
  - b) \_\_\_\_\_
7. The function of Cathode Ray Oscilloscope (C.R.O.) :  
To show the different in the shape of graph, \_\_\_\_\_ and \_\_\_\_\_ for direct current and alternating current.
8. State the devices that are direct current or alternating current correctly:

