

**Q1: Put correct number of meaning near each type of word:**

- 1-Materials that is replaced quickly in nature.
- 2-A source of energy other than burning fossil fuel.
- 3-Fuel made from biomass, or living or formerly living martials.
- 4--Power obtained from solar energy to generate electricity by solar cells.
- 5-Energy obtained from Earth's interior.
- 6-Is energy that comes from moving water.
- 7-Electricity produced by waterpower.
- 8-Harness تسخير the motion of the wind to generate electricity.

- |           |                     |                  |
|-----------|---------------------|------------------|
| A-(.....) | Alternative source. | مصادر بديلة      |
| B-(.....) | Geothermal energy.  | طاقة حرارة جوفية |
| C-(.....) | Renewable resource  | مصدر متجدد       |
| D-(.....) | Hydropower          | طاقة مائية       |
| E-(.....) | Biofuel             | وقود حيوي        |
| F-(.....) | Hydroelectricity    | طاقة كهرومائية   |
| G-(.....) | Windmills           | طواحين الهواء    |
| H-(.....) | Solar power         | طاقة شمسية       |

**Q2: Choose best answer for each one:**

- 1-Geothermal energy is obtained and used by harnessing the heat from .....Earth's surface.  
 a                      a- above                      b-near                      c- below
- 2-Electricity produced from flowing water is called .....  
 a-Geothermal energy                      b- Hydroelectricity                      c- Thermal energy
- 3-A device that produces electricity from sunlight is a(n) .....  
 a- Solar cell                      b- Windmill                      c- LED
- 4-A hydroelectric plant uses alternative energy sources, such as ....., to generate electricity.  
 a- Wind                      b- Water                      c- Sun
- 5-Which type of energy would best be used in an area with a lot of hot springs?  
 a-Hydroelectricity                      b- Solar energy                      c- Geothermal energy
- 6-Wind energy, water energy, and solar power are all examples of ..... energy solutions.  
 a-alternative or Renewable                      b- Nonrenewable                      c-Fossil fuels

7- Which is **not** a source of renewable energy?

a-Thermal energy

b- Wind energy

c-fossil fuels

8- Wind energy, harnessed by windmills, is one type of ..... energy

a-Source.

b- Renewable

c-Nonrenewable.

9- Which method is used to change plant and animal materials into fuel? تحويل الكتلة الحيوية

a-Hydroelectricity

b- Recycling

c-Biomass conversion

10- Because it can be replaced quickly in nature, water is considered a(n)

a-Renewable resource

b- Nonrenewable

c- Nothing

11- Solar, **Geothermal**, **hydropower** and **wind** are renewable resources that produce:

a-Electricity

b-Nuclear

c- Fuels

12-Biomass burning can produce:

a-Thermal energy

b-Fuel

c- Gas

d- All of them

**Q 3: Connect each picture to energy type that used then connect to energy that produce:** صل كل صورة بنوع الطاقة المستخدمة ونوع الطاقة المنتجة لكل صورة من صور الطاقة :

Energy that Used  
الطاقة المستخدمة



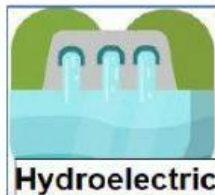
Energy that Produces  
الطاقة الناتجة

1-Light, Heat energy



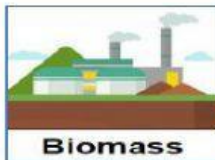
B- Electricity Energy

2-Therma energy



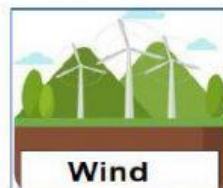
B- Electricity Energy

3- Kinetic energy



B- Electricity Energy

4- Store energy



B- Electricity Energy

5- Kinetic energy

C- Thermal

D- Gas

A- Fuels