Ben Tayeb Mohammed Secondary School **Level: 2nd year G.E**
Date: 06/12/2017 **Time allotted: 02 Hours**

The First Term English Exam

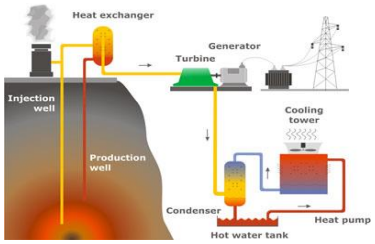
PART 1: READING

Read the text carefully then do the activities.



Alternative energy encompasses all those things that do not consume fossil fuel. They are widely available and environment friendly. They cause little or almost no pollution. Some examples of alternative energies include solar, wind, biomass, hydro-electric and geothermal energies. In this lecture, we will talk about this last example.

'Geo' means Earth and 'thermal' means energy. Geothermal energy means energy drawn or harnessed from beneath the earth. It is completely clean and renewable. The earth contains a molten rock called magma. Heat is continuously produced from there. Below, 10,000 meters the temperature is so high, that it can be used to boil water. The boiling water then produces steam which is captured by geothermal heat pumps. The steam turns the turbines which in turn activates generators. Geothermal energy produces no pollution, reduces our alliance on fossil fuels. It also results in significant cost savings as no fuel is required to harness energy from beneath the earth



Geothermal energy can be found anywhere on the earth. Most countries tap this energy to generate electricity, using thermal mass flowmeters, and power millions of homes. The United States produces more Geothermal electricity than any other country in the world**.**

Adapted from www.conserve-energy-future.com
Retrieved on 30-11-2017

A/ COMPREHENSION (08pts)

1. **Write the letter which corresponds to the right answer. (01pt)**

   The text is: **a-** a presentation **b-** a report **c-** a story

2. **Are the following statements true or false according to the text? (02pts)**
   - **a-** Alternative energies are harmful to the environnement.
   - **b-** Geothermal energy depends on the heat of the earth.
   - **c-** Geothermal energy can be found only in few regions of the world.
   - **d-** The USA is the world's leading country in using geothermal energy.

3. **Answer the following questions according to the text. (04pts)**
   - a- Define alternative energies.
   - b- List out some examples of alternative energies.
   - c- What is geothermal energy?
   - d- What are the advantages of geothermal energy?

4. **In which paragraph is the process of producing geothermal energy described? (01pts)**

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B. TEXT EXPLORATION (07pts)

1. **Find in the text words whose definitions follow : (1,5pt)**
   - **a-** Causing no harm to the environment(§1)
   - **b-** That can't be depleted because it is naturally reproduced (§2)
   - **c-** Related to heat and temperature (§3)

2. **Rewrite sentence B so that it means the same as A. (02pts)**

a- All countries can produce thermal energy.
b- Thermal…….

a- Algeria will produce this type of energy in the near future.
b- This…….

3. **Classify the following words according to the pronunciation of their final "ed". (02pts)**
   used – harnessed – activated - pushed

/t/	/d/	/ɪd/

4. **Fill in the gaps with words from the list below. (02pts)**
   Electricity – temperature – sunbath - photosynthesis – sunlight

Solar energy is one the alternative energies that are used most widely across the globe. It depends on the use of ……1…….. Solar energy is used for producing ……2…. It is also used for drying clothes, used by plants during the process of ……3…… and also used by human beings during winter seasons to make their body ……4…… warm.

Part Two: Written Expression (05pts)

Topic 1: You participated in a meeting to discuss alternative energies and pollution issues. Use the following notes to write a presentation in which you describe how solar energy is produced.

- Convert /sunlight/electricity
- Renewable / no pollution
- Solar panels / capture / sunlight
- Photovoltaic cells / transform / electric voltage
- Electric charge / gather / inverter
- Inverter / invert / DC electricity / 120 V
- Electricity / conduct / use / home appliances

Topic 2: You were elected representative of the UNICEF in your country. Write an article in which you defend the rights of children in your country.

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