



ANGLAIS

Africa's second liberation

The conventional generations of electricity have *stymied* the promotion of solar energy because its widespread use is *deemed* as bad news for the fossil fuel industry. But Africa can no longer play “*their*” game if *we* are to pull ourselves out of poverty. We have to start, now by utilizing the vast amount of solar energy that hits the continent's surface each year.

5 The sun should be the future energy powerhouse if the continent is to attain a better and meaningful development that will benefit the people as well as the environment. The beauty of it all could be the electrification of our towns and villages with energy from the sun.

The average solar power received on the earth's surface is 1.2×10^{17} W. This means that energy supply from the sun hitting the earth in an hour can meet the total energy
10 consumption on earth for a whole year. No wonder, the sun has been worshipped as a life-giver to our planet since ancient times.

Most of the energy we use today originates from the sun. *This* energy has been absorbed by biological organisms over millions of years.

15 In fact, the energy from the sun is converted naturally into various forms. For example, wave energy is a result of the interaction between the convection-driven winds and the surface of the sea. Biological energy (biomass energy) is also stored in living organisms by the process of photosynthesis.

20 These energy forms are available as renewable resources because of their regular replacement on a daily, or even hourly, basis. On the other hand, fossil fuels (coal, oil and gas), although laid down effectively as biomass, take millions of years to form and need to be regarded as finite or non – renewable resources.

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Epreuve du 1^{er} groupe

I. COMPREHENSION (09 marks)

A. These sentences are true or false. Put T or F and justify your choice by quoting from the text (03 marks)

1. The energy supply we receive from the sun can be consumed in a year. (.....)

Justification:

2. The generalization of solar energy is believed to be an obstacle to the use of traditional sources of power. (.....)

Justification:

3. Using solar energy for power supply in Africa will be applied in urban areas only. (.....)

Justification:

B. Information Transfer

Fill in this chart using information from the text

(02. 5 marks)

Action	Result
Promotion of solar energy	4
5.	Electrification of African towns and villages
Interaction between convection-driven winds and surface of sea	6.
7.	Biomass energy

C. Reference

What do the underlined words refer to in the text?

(01.5 marks)

8- their game :

9. if we are to pull ourselves.....

10. This energy has been absorbed.....

D. Vocabulary

Choose the best meaning

(01.5 marks)

11. *stymied* means :

- a. stopped
- b. favoured
- c. steamed
- d. included

12. *deemed* means :

- a. considered
- b. desired
- c. forgotten
- d. suggested

13. *meaningful* means :

- a. important
- b. comprehensible
- c. potential
- d. appropriate

(0.5 mark)

Epreuve du 1^{er} groupe

E. Question

14. What does the title of the text refer to ? (3 lines maximum) **(01 mark)**

II. LINGUISTIC COMPETENCE (06 marks)

F. Put the verbs in brackets in the correct tenses (01.5 marks)

Today, many industries _____ (release) huge amounts of carbon dioxide and
 15.
 other greenhouse gases that are heating the planet up. This _____ (create) a new and
 16.
 growing concern about the environment. Without the chemical pollution from industries for
 instance, our planet _____ (be) less damaged, with tougher restrictive
 17.
 environmental policies.

G. Rewrite sentence (b) so that (a) and (b) have the same meaning (03 marks)

18.a. Some power plants are now generating electricity from solar energy, thus reducing
 dependence on non renewable sources

b. Electricity.....

19. a. We won't reduce local environmental problems if the government doesn't take measures
 towards the use of renewable energy.

b. Unless.....

20. The climate gets hotter as industries release more carbon dioxide into the atmosphere.
 The more carbon dioxide industries release into the atmosphere, the

H. Complete the sentences with the right prepositions (at, of, to, for, into) (01,5 marks)

In most cases, rural people are deprived..... the right to have access to electricity.

21

Refrigerators that are imported.....Africa usually have a thermal insulation thickness

22

that is not suitablethe high ambient temperature of the continent.

23

III. WRITING (05 marks)

I. Choose one of the following topics and answer the question in about 100 words

Topic 1

How does access to electricity change the life of village people ?

Topic 2

Should we promote the use of fossil fuels or alternative sources of energy in your country ?
 Justify your point, giving clear examples.