

Part One: Reading**(15pts)****A/Comprehension****(7pts)****Read the text carefully then do the activities below.**

Waste-to-Energy plants transform non-recyclable waste into energy that is then generated into electricity and heat and distributed to end-users. This method generates energy more efficiently than energy recovered from landfill and emits significantly less CO₂.

In Europe there are approximately 500 Waste-to-Energy plants, which produce enough electricity to supply almost 20 million people per year and provide around 17 million people with heat annually. After Belgrade's waste reforms, their Waste-to-Energy facility can now produce enough electricity to power 30,000 local households and heat 60,000 houses. Overall, approximately 10% of Europe's district heating comes from Waste-to-Energy and in some areas over half of residential demand is covered by Waste-to-Energy.

Waste-to-Energy plants represent a vital and sustainable solution to the dual challenges of waste management and energy production. Through advanced technology and stringent environmental controls, these facilities convert what was once considered waste into valuable resources. As the global community seeks innovative ways to combat climate change and promote sustainable development, embracing Waste-to-Energy solutions emerges as an ecological and forward-thinking approach

Adapted from : <https://eswet.eu/from-rubbish-to-resources-how-waste-to-energy-plants>

1. Choose the answer to complete each statement.**(1,5 pt)**

- a) Waste-to-Energy plants into energy.
a- transform all kind of waste b- convert waste that can't be used c- change natural resources.
- b) In some regions in Europe of energy demand is covered by Waste-to-Energy.
a- More than 50% b- about 50%. c- less than 50%
- c) Waste-to-Energy plants are solution to.....
a- Waste management b- energy production c- both waste management and energy production

1. Identify the paragraphs in which the following ideas are mentioned:**(1pt)**

- a) A waste-to-Energy plant is the most effective technique to produce clean energy.

➤ It is mentioned in paragraph

- b) The conversion of waste into beneficial resources.

➤ It is mentioned in paragraph.....

2. Answer the following questions from the text.**(3pts)**

- a) What is "Waste-to-Energy plants"?
- b) Is Waste-to-Energy plants used only to generate electricity ? Illustrate.
- c) Mention two benefits of Waste-to-Energy plants method.

3. Find what or who do the underlined words in the text refer to.**(1,5pts)**

- a) that (§1) → b) Their (§2) →
- c) These (§3) →

B/ Text exploration

(08 pts)

1. Find in the text words or phrases that are closest in meaning to the following:

a) Converted (§1) = b) around (§2) = c) crucial = (§3).....

2. Complete sentence "b" so that it means the same as sentence "a". Make any necessary changes.

1. a- A specialist said:" Waste-to-Energy facility can produce enough electricity. "

b-

2. a- Waste management methods have witnessed a **rapid** development over the last decade.

b- Waste management methods have been developed

3. a- Many countries give a lot of interest to waste management because they want to reduce the level of pollution.

b- Many countries want to reduce the level of pollution.....

3. Classify the following words according to the pronunciation of their final "S"

ways -challenges –managements – solutions -

/S/	/Z/	/IZ/
.....
.....

4. Fill in the gaps using the words from the list below:

a type - microbial - Biofuels - cleanly

Biofuel is of renewable energy source derived from....., plant, or animal materials. Examples of biofuels include ethanol, green diesel. can be solid, liquid, or gaseous. They are most useful in the latter two forms as this makes it easier to transport, deliver, and burn.....

Part two: Written expression .

Choose only ONE topic

(5 pts)

Topic 1:

You conducted a survey to know whether people are aware of the importance of recycling in protecting the environment and create wealth by reusing trash to produce new objects and even clean energies. Use the findings in the table below to write a short report.

- Number of informants: **120 (male and female)**
- **Age: (20 - 60 years old)**
- a. What is recycling? **100: reuse the garbage. 20: convert trash in to useful items.**
- b. **Mention some of recyclable waste. 80: Household garbage 30: other materials.**
- c. What are the benefits of recycling? **70: clean the environment 50: Produce new materials and generate energy**
- d. Can recycling be an effective way to fight global warming? **120: Yes**

Topic 2:

Take turn of a local town journalist to **write a news report** about a building fire that could cause **humanistic** catastrophe if local residents did not interfere. Use the information in the table below:

Who /what	where	When	Cause of the accident	Features of the accident	Actions taken
-An old woman dead and two young man seriously injured	-Flat situated in the fourth floor of the building located near the university	On 3 rd of this month	-Gas leaking -Electric shock	-Fumes released -Two men interfere to save the family -An old ill woman died because of fumes others were saved	-Fire men /put out the fire -Police open an investigation

Good Luck and Best Wishes