

[1] Biodome is a Moroccan company that builds plants for the production of cooking gas by recycling waste in farms. The founder, Fatima Zahra Beraich, solves the problem of organic waste in rural areas through recycling. She contributes to the production of energy by turning waste into green energy for farmers.

[2] Founded in 2017, Biodome is the result of Fatima Zahra’s love for chemistry and her business skills in solving waste and energy problems. At university, Fatima Zahra studied how waste breaks down naturally and changes into gas.

[3] “I’ve always been interested in waste management,” she says. Before thinking globally, Fatima wanted her waste treatment business to respond to the needs of the local people. In the beginning, she faced many challenges, such as lack of money and technical assistance. With financial support from European Union programs like The Next Society, Fatima Zahra has managed to make her waste treatment technology affordable and more sustainable. “The treated waste has two uses. First, it becomes an agricultural fertilizer, and, second, it produces cooking gas for people,” she explains.

[4] Biodome is proud to rely 100% on local engineers and workers. With their expertise, they build underground domes to produce gas on farms. They also have bags which turn waste into gas on the ground. The system can generate almost 4 hours of cooking gas per day and make fertilizers that farmers can use in their farms or sell. This helps **them** both to save money and earn more. The system can process 0 kg to 2 tons of waste each week.

[5] Convincing farmers to try this new technology was not easy. One of the first users of this technology, Zakaria Rachid, saw big results. The money he used to spend on buying fertilizers dropped by 50%, and his farm productivity went up. “I was amazed the first time I turned on my gas stove thanks to the energy produced from waste!” he says. Now, he encourages other farmers to use this system.

[6] Besides farmers, Biodome works with schools and businesses. **The company** is also working overseas in countries such as Ivory Coast. “We want to make this technology affordable and easy to use,” Fatima Zahra says. She hopes to see Biodome spread across Africa, helping the environment and the people.

COMPREHENSION

BASE ALL YOUR ANSWERS ON THE TEXT

A. ARE THESE STATEMENTS TRUE OR FALSE? JUSTIFY. (3 pts)]

1. When she started her company, Fatima Zahra wanted to make her business international.

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2. Biodome business employs local workers.

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3. Farmers accepted Biodome's idea of producing gas from the beginning.

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.....

B. ANSWER THE FOLLOWING QUESTIONS.

1. List two challenges which Fatima Zahra faced when she first started her business.

a.....
b.....

2. What helped Fatima Zahra make her waste treatment technology affordable?

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.....

3. How much waste is treated by Biodome technology each week?

.....
.....

4. What benefits did Zakaria Rachid get from Biodome's technology?

.....
.....

C. COMPLETE THE FOLLOWING SENTENCES WITH INFORMATION FROM THE TEXT. (3 pts)

- 1. Two ways Biodome produces gas are
- 2. Farmers earn additional money from recycling waste by
- 3. Biodome works not only with farms, but also

D. FIND IN THE TEXT WORDS THAT MEAN ALMOST THE SAME AS: (2 pts)

- 1. cheap (paragraph 3):
- 2. decreased (paragraph 5):

E. WHAT DO THE UNDERLINED WORDS IN THE TEXT REFER TO? (2 pts) 36, 37]

- 1. them (paragraph 4):
- 2. The company (paragraph 6):

F. CHOOSE THE CORRECT OPTION. (1 pt)

The main purpose of the writer is to

- a. convince farmers to use alternative sources of energy.
- b. explain why waste is harmful to the environment.
- c. inform the reader of a creative and economical technique to produce gas.

The correct answer is:

A. PUT THE VERBS BETWEEN BRACKETS IN THE CORRECT TENSE. (1 pt)

Mehdi (graduate) from university in 2019. Now, he (work) as an engineer in a big company.

B. PUT THE WORDS BETWEEN BRACKETS IN THE CORRECT FORM. (2 pts)

Morocco's artisanal products are distinguished by their (innovation) styles and unique designs. These designs reflect the Moroccan identity and (culture) heritage.

C. FILL IN THE BLANKS WITH THE CORRECT WORDS FROM THE LISTS. (2 pts)

1. The stadium they will play the final match is next to our neighborhood.

who - which - where

2. Adam has decided his studies abroad.

to continue - continue - continuing

D. FILL IN THE BLANKS WITH THE CORRECT WORDS FROM THE LIST. (2 pts)

importance - awareness - healthy - communities - empower

In our association, we are raising about the health problems affecting young people. This has left a positive impact on the local across the country.

E. REWRITE THE SENTENCES AS INDICATED. (4 pts)

1. Although the players made big efforts, the team lost the match.

In spite of

2. The workers don't respect their boss because he is not kind.

If the boss

3. The government should promote the car industry strategy.

The car industry strategy

4. "You need to work on your pronunciation more," said the teacher to Oumaima.

The teacher advised

F. COMPLETE THE EXCHANGES WITH THE MOST APPROPRIATE OPTION. (2 pts)

1. Lina: I need some help with my project.

Arwa:

a. I think you can help me. b. Yes, you do. c. Never mind, I'll help.

5. Tourist: Today, the dish is really wonderful!

Waiter:

a. Glad to hear that! b. Please tell the cook. c. Yeah, we know it's delicious!

COMPLETE THE FOLLOWING EXCHANGES APPROPRIATELY. (2 pts)

1. Ayour: My laptop crashed and I should prepare a presentation for tomorrow.

Najwa:

2. Journalist: I think Artificial Intelligence will be used to treat patients in hospitals soon.

Doctor:

