

ENGLISH TEST
CHAPTER 1
NARRATIVE TEXT - THE STORY OF A FRIENDLY FUTURE

Name:

Class :

Read the text below and choose the best answer!

This text is for number 1 - 10

Leo's Green Flame: Transforming Farm Waste into Biomass Energy

Leo, a seventeen-year-old boy with a passion for science, stood near the barn on his family's farm, watching the evening sun set over the wide cornfields. For generations, his family had worked hard to raise cattle and grow crops, but every harvest left behind massive piles of organic waste. Looking at the mountains of dry corn stalks and animal manure, Leo felt frustrated by the messy sight. He sighed and said aloud to himself, "There must be a smarter way to handle all this trash instead of just letting it decay or burning it in the open air."

His curiosity led him to invite Dr. Aris, a friendly environmental engineer from a nearby university, to visit the farm the following afternoon. As they walked around the property, Dr. Aris picked up a handful of dry wood chips and smiled warmly. "Leo, what you see as useless trash is actually a powerful resource called biomass," Dr. Aris explained enthusiastically. "Plants store solar energy

through photosynthesis, and when we process their organic waste, we can unlock that stored chemical energy to generate heat, gas, or electricity."

Inspired by the expert's words, Leo convinced his father, Arthur, to build a simple anaerobic digester near the cow barn. Arthur was initially skeptical about spending time and money on the project, stroking his gray beard thoughtfully. "Are you sure this strange tank can really power our farm, son?" Arthur asked doubtfully. Leo looked his father in the eye and replied confidently, "Trust me, Dad; the bacteria inside the sealed tank will break down the manure and produce clean biogas for our kitchen and heaters."

Within three weeks, the digester began producing a steady supply of methane gas, proving that Leo's plan actually worked. Leo showed his mother, Martha, how the new gas pipeline connected directly to their kitchen stove. As Martha turned the knob and watched a bright blue flame ignite instantly, she gasped in total disbelief. "I can't believe our farm waste is cooking our dinner tonight!" she exclaimed joyfully, giving her son a proud hug.

Looking out over the flourishing fields years later, Leo felt immense pride in how a simple idea had transformed his entire community. The once-feared waste piles were now valuable resources powering homes and fertilizing crops in a clean, continuous cycle. "Nature gives us everything we need if we just learn how to use it wisely," Leo said softly to himself, confident that his farm was officially helping to build a greener future.

1. What made Leo feel frustrated at the beginning of the story?
 - A. The dry corn crops failed to grow properly on the farm.
 - B. His family did not allow him to study environmental science.
 - C. The large amount of organic waste left behind after harvest.
 - D. The high cost of electricity provided by the local energy plant.
 - E. The lack of sunny days needed to produce solar power on the farm.
2. What is biomass energy, according to Dr. Aris?
 - A. Artificial fuel produced by mixing synthetic chemicals.
 - B. Solar energy stored in plants that can be unlocked from organic waste.
 - C. Electrical power generated exclusively from burning fossil fuels.
 - D. Gas produced by burning dry wood chips in open air without control.
 - E. Wind energy stored inside cattle barns and agricultural soil.
3. "As Martha turned the knob and watched a bright blue flame ignite instantly, she gasped in total disbelief."

What does the word "**ignite**" mean in this sentence?

- A. To catch fire or start burning
 - B. To leak gas slowly
 - C. To turn off completely
 - D. To change color
 - E. To produce a loud sound
4. Which of the following statements is **TRUE** according to the text?
 - A. Leo's family burned all their waste in the open air throughout the story.
 - B. The digester took over six months to start producing methane gas.
 - C. The biogas system only provided electricity and could not be used for cooking.
 - D. The byproduct of the anaerobic digester acted as a natural fertilizer.
 - E. Dr. Aris built the digester by himself while Leo watched.
5. Why was Leo's father initially hesitant to build the anaerobic digester?
 - A. He didn't want to use cow manure on his farm.
 - B. He was worried it would take time and cost money.
 - C. He preferred buying expensive chemical fertilizers.
 - D. Dr. Aris warned him that the system was dangerous.
 - E. Leo did not explain how the system worked.
6. What was Martha's reaction when she turned on the kitchen stove?
 - A. She was afraid the gas pipeline would explode.
 - B. She was disappointed because the flame was too small.
 - C. She was angry at Leo for spending money on the stove.

- D. She was confused about how to turn off the blue flame.
- E. She was shocked and amazed that farm waste could cook dinner.
7. What main lesson can be learned from Leo's story?
- A. Fossil fuels are the most reliable energy source for modern farms.
- B. Farm waste should always be burned to keep the fields clean.
- C. Organic waste can become a valuable clean resource with smart solutions.
- D. Environmental engineers should manage all family farm operations.
- E. Building renewable energy systems is too expensive for small farms.
8. What is the main idea of the final paragraph?
- A. Leo decided to move away from the farm to pursue a career in science.
- B. The community stopped farming because biomass energy was more profitable.
- C. Leo's father took over the biomass project and expanded it nationwide.
- D. The farm faced unexpected financial problems after installing the digester.
- E. Leo felt proud because his simple idea transformed farm waste into sustainable energy.
9. How did Arthur's attitude toward the farm change by the end of paragraph 5?
- A. He decided to sell the farm to an environmental company.
- B. He realized that farm waste was no longer being wasted.
- C. He regretted spending time constructing the digester tank.
- D. He wanted to return to using synthetic fertilizers.
- E. He wished Leo had chosen a different career path.
10. What can be inferred about Leo's personality from the story?
- A. He is stubborn and refuses to listen to authority figures.
- B. He cares only about making a large financial profit.
- C. He prefers theoretical study over practical applications.
- D. He is curious, proactive, and open to eco-friendly innovations.
- E. He is easily discouraged when facing family opposition.
11. What is the primary characteristic that defines renewable energy sources?
- A. They produce high amounts of toxic carbon emissions during operation.
- B. They can only be found deep underground in specific geographic regions.
- C. They require constant chemical processing to generate usable power.
- D. They are more expensive to maintain than traditional nuclear power plants.
- E. They are naturally replenished in a short period and will not run out.
12. Which of the following is considered a non-renewable energy source?
- A. Solar power
- B. Geothermal energy
- C. Natural gas
- D. Wind energy
- E. Hydroelectric power
13. How do modern wind turbines transform wind power into usable electricity?
- A. By using the kinetic energy of moving air to spin blades connected to a generator.

- B. By absorbing heat from moving air and converting it into liquid fuel.
 - C. By compressing air molecules into high-pressure underground storage tanks.
 - D. By creating artificial wind currents using high-voltage solar batteries.
 - E. By trapping wind moisture to create steam that powers local engines.
14. Which of the following best describes how a hydroelectric dam generates renewable power?
- A. By heating river water using solar collectors before releasing it into the ocean.
 - B. By controlling the potential energy of stored water and letting it flow through turbines.
 - C. By mixing river water with biofuel chemicals inside high-pressure pipes.
 - D. By converting river currents into geothermal steam through underground pumps.
 - E. By pumping seawater back into mountain lakes using wind power.
15. How can biomass energy contribute to waste management while producing electricity?
- A. By turning synthetic plastics into non-biodegradable building materials.
 - B. By utilizing agricultural residues, wood waste, and organic garbage as fuel sources.
 - C. By freezing organic materials to prevent them from releasing any greenhouse gases.
 - D. By converting fossil oil reserves into organic plant compost.
 - E. By burning hazardous electronic waste under direct sunlight.
16. Rian said to me, "I am collecting material for my biology project this morning."
Which of the following is the correct indirect speech for the statement above?
- A. Rian told me that he was collecting material for his biology project that morning.
 - B. Rian told me that I was collecting material for my biology project this morning.
 - C. Rian said to me that he is collecting material for his biology project that morning.
 - D. Rian told me that he had been collecting material for his biology project this morning.
 - E. Rian said that I am collecting material for my biology project that morning.
17. Dina said, "I must submit my English essay before Friday."
Which of the following is the correct indirect speech for the statement above?
- A. Dina said that she must submit her English essay before Friday.
 - B. Dina said that she had to submit her English essay before Friday.
 - C. Dina told that I had to submit my English essay before Friday.
 - D. Dina said that she has to submit her English essay before Friday.
 - E. Dina said that I must submit her English essay before Friday.
18. Bambang said to Siska, "You can borrow my reference book anytime."
Which of the following is the correct indirect speech for the statement above?

- A. Bambang told Siska that you can borrow my reference book anytime.
- B. Bambang said Siska that she can borrow his reference book anytime.
- C. Bambang told to Siska that she might borrow my reference book anytime.
- D. Bambang said that Siska could borrow her reference book anytime.
- E. Bambang told Siska that she could borrow his reference book anytime.
19. Mr. Anwar said, "The local community does not waste food waste anymore."
Which of the following is the correct indirect speech for the statement above?
- A. Mr. Anwar said that the local community does not waste food waste anymore.
- B. Mr. Anwar told that the local community had not wasted food waste anymore.
- C. Mr. Anwar said that the local community was not wasting food waste anymore.
- D. Mr. Anwar said that the local community did not waste food waste anymore.
- E. Mr. Anwar said that the local community will not waste food waste anymore.
20. Fajar said, "My parents have bought a new solar-powered generator."
Which of the following is the correct indirect speech for the statement above?
- A. Fajar said that my parents have bought a new solar-powered generator.
- B. Fajar said that his parents had bought a new solar-powered generator.
- C. Fajar told that his parents have bought a new solar-powered generator.
- D. Fajar said that his parents were buying a new solar-powered generator.
- E. Fajar said that my parents had bought a new solar-powered generator.
21. D
22. D
23. D
24. d