NAME: _____

READING COMPREHENSION

Instructions: Read the story. Then, answer the questions below by circling the correct answer.

Power from the Wind

Many coastal communities are exploring offshore wind power as a way to generate electricity without burning fossil fuels. Before turbines are installed, engineers study wind patterns, ocean depth, wildlife routes, and the strength of the seafloor. This research helps planners choose locations that can produce energy while reducing risks to marine ecosystems. Although construction may be expensive at first, the equipment can provide a steady source of power for decades. Communities must also consider how the project will affect fishing, shipping, and the appearance of the coastline. A successful energy plan balances technological progress with environmental responsibility and public participation.



1. Why are coastal communities exploring offshore wind power?

1. To generate electricity without burning fossil fuels
1. To increase the depth of the ocean
1. c. To replace every fishing boat

2. What do engineers study before turbines are installed?

1. Wind patterns, ocean depth, wildlife routes, and the seafloor
1. b. Only the color of the turbines
1. c. The number of houses in every country

3. How can the research help planners?

1. It helps them choose locations and reduce risks to marine ecosystems.
1. It guarantees that construction will cost nothing.
1. c. It prevents all changes to the coastline.

4. What must communities consider besides energy production?

1. Effects on fishing, shipping, and the coastaline's appearance
1. Whether the turbines can grow crops
1. c. How to eliminate every ocean animal

5. What is the main idea of the passage?

1. Developing offshore wind power requires balancing energy needs, environmental care, and community concerns.
1. Offshore wind projects insect only engineers.
1. Offshore wind projects affect only engineers.
1. Wind turbines can be installed without research.