



Science Toolkit: Grade 7 Objective 6.B.1.b

Student Handout: Science: Grade 7 Objective 6.B.1.b

Standard 6.0 Environmental Science

Topic B. Environmental Issues

Indicator 1. Recognize and describe that environmental changes can have local, regional, and global consequences.

Objective b. Identify and describe that different individual people or groups of people are affected by an issue in different ways.

Selected Response (SR) Item

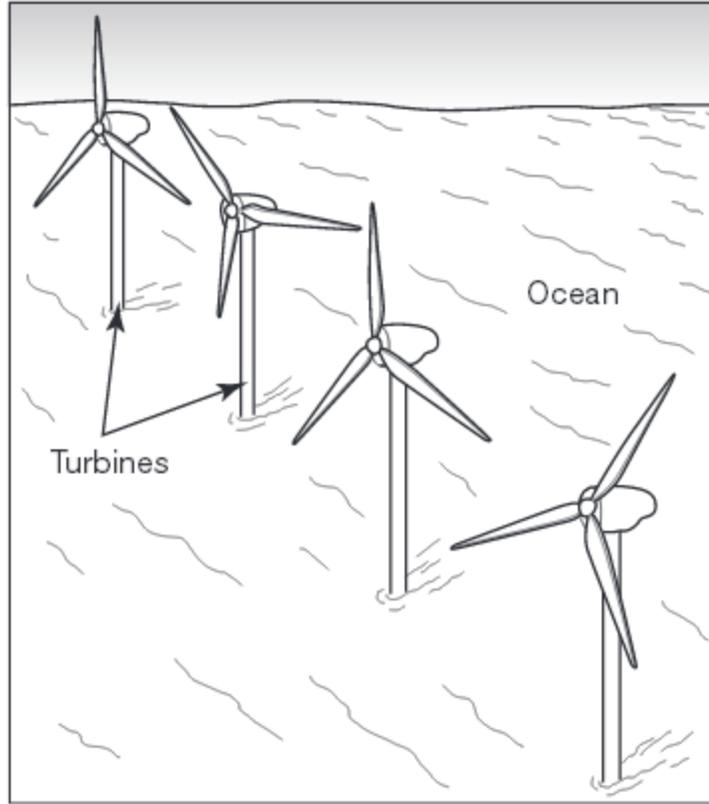
Question

Use the information below to answer the following:

Wind Energy or Coal Energy

Most of Maryland's electricity comes from coal-fired power plants. Coal-fired power plants are inexpensive to operate but release harmful gases and solid particles into the air. These harmful gases contain chemicals that combine with water vapor, turning ordinary rain into acid rain.

Wind turbines transform wind into electrical energy and do not produce harmful gases. Wind turbines can be constructed offshore in the ocean. Some people object to the turbines because the turbines are expensive and the motion of the blades may affect wildlife.



Which group would be most negatively affected by the appearance of the wind turbines off the coast of Maryland?

- A. people who like to visit Maryland
- B. people who construct wind turbines
- C. Maryland residents who live near wind turbines
- D. Maryland residents who want to prevent acid rain

Correct Answer

- C. Maryland residents who live near wind turbines

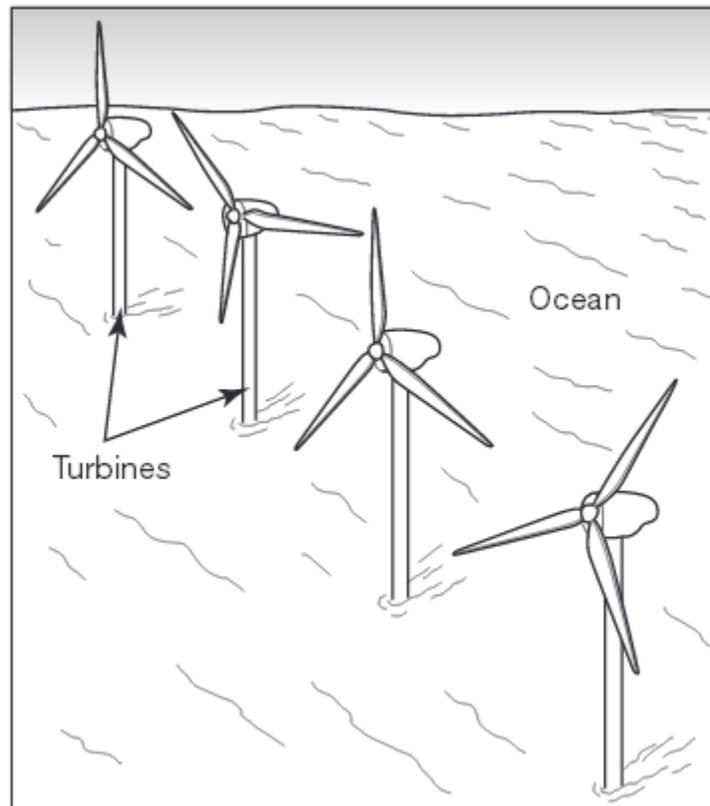
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