



SWITCH
CLASSROOM®

RENEWABLE RESOURCES • SCIENCE OF WIND

Wind Energy & the Environment

Science Practice

Concept Explanation, Environmental
Solutions

Science Skills

1.A, 1.B, 7.A, 7.B, 7.C

QUIZ

Wind Energy & the Environment Review

Watch the video, [Making Wind Work](#), and answer the following questions.

1. What are two advantages of using wind turbines to generate electricity?
 - a. Turbines are quick to build and produce no CO₂ emissions when generating
 - b. Turbines can be located anywhere and produce no CO₂ emissions when generating
 - c. Turbines produce no CO₂ emissions when generating and produce a constant supply of electricity
 - d. Turbines can be located anywhere and produce a constant supply of electricity
2. Which area of the continental United States has the greatest potential for wind power?
 - a. The South
 - b. The North
 - c. The Midwest
 - d. The West
3. What primary environmental concern of windfarms is highlighted in the video?
 - a. Bird kill
 - b. Unattractive views
 - c. Uses a lot of land
 - d. CO₂ emissions
4. According to the video, why was it easier for the wind industry to start in Texas?
 - a. There was no opposition from other power plants in Texas
 - b. There were existing transmission lines and willing neighbors
 - c. There were state subsidies for the power industry that benefitted the wind industry
 - d. There were no opponents who protested the wind industry starting in Texas

