

Environmental Challenges in China Quiz

1. What are two major air pollutants that engineers are concerned about?
 - a. particulate matter 2.5 and ash
 - b. particulate matter 2.5 and carbon dioxide
 - c. ash and carbon monoxide
 - d. ash and carbon dioxide
2. What is a negative effect of indoor air pollution?
 - a. lung cancer
 - b. chronic obstructive pulmonary disease
 - c. respiratory infections
 - d. all of the above
3. What are two negative effects of outdoor air pollution?
 - a. global warming and climate change
 - b. climate change and more expensive energy
 - c. climate change and people moving to the cities
 - d. global warming and use of gasoline
4. Why do engineers design different types of houses in different climates?
 - a. because they want different houses to look differently
 - b. because different climates have different types of weather
 - c. because different houses have different prices
 - d. because people like different kinds of houses
5. What are the five types of renewable energy?
 - a. wind, coal, oil, solar and gas
 - b. water, solar, oil, coal and gas
 - c. wind, water, solar, geothermal and biomass
 - d. water, biomass, solar, oil and coal
6. What are some ways that children can save energy?
 - a. walk or bike to school
 - b. turn off the lights when leaving a room
 - c. use energy-saving light-bulbs
 - d. all of the above

7. What is a device that engineers created to save energy?
 - a. solar panels
 - b. wind turbines
 - c. energy-saving light-bulbs
 - d. all of the above
8. What are three devices engineers designed to help people in rural China use clean energy?
 - a. biogas digesters, improved cook stoves and solar hot water
 - b. improved cook stoves, cars and bicycles
 - c. biogas digesters, solar hot water and cars
 - d. cars, bicycles and televisions
9. What are some challenges facing people in rural China?
 - a. poverty
 - b. access to healthcare
 - c. access to education
 - d. all of the above
10. What does “optimization” mean?
 - a. to pick the solution that is the cheapest
 - b. to pick the solution that is the fastest
 - c. to consider all the factors involved in a decision and pick the best solution
 - d. to see something through your own eyes