

## Answer Key

Each question is worth 5 points each.

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1. Over 25 years, one large solar powered electricity rooftop will offset how many tons of carbon dioxide?  
**10, 800**
2. In one hour, the sun will provide more energy than the human race will use in how long?  
**One year**
3. What country requires solar water heaters for all residents?  
**Israel**
4. One standard windmill can produce how much energy?  
**1.5 Megawatts**
5. A cluster of wind turbans is called a wind farm.
6. A geothermal power plant will produce 12,000 tons of greenhouse gases in one day, which is what a coal fired plant would produce in 5 days.
7. What city and country had the first geothermal energy plant?  
**Tuscany, Italy**
8. What is a typical restaurants vegetable oil disposal in a week?  
**50 gallons**
9. What is the estimated ethanol yield for switchgrass in an acre?  
**1,150 gallons**
10. What major difficulty does renewable energy face?  
**Political acceptance**