



Vocabulary

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|--------------|------------------|
| 1 inventor | 10 theories |
| 2 honor | 11 correct |
| 3 genius | 12 remote areas |
| 4 physics | 13 stick |
| 5 entire | 14 antenna |
| 6 achieve | 15 automatically |
| 7 globe | 16 complete |
| 8 atmosphere | 17 magnificent |
| 9 conductors | 18 inspires |

Listening

- 1 Why is the name "Tesla" famous today?
A) Because Nikola Tesla started a successful electric car company.
B) Because an electric car company was named to honor the scientist.
C) Because he became the richest physicist in human history.
- 2 What was Tesla's main idea for sending electricity without wires?
A) Using the Earth and the atmosphere as huge conductors.
B) Building a long underground wire from America to Africa.
C) Making useful machines that do not need any power to work.
- 3 According to the passage, how could people in remote areas get electricity if Tesla's theory was correct?
A) By building 30 huge towers in their own villages.
B) By putting a simple receiver into the ground.
C) By connecting their personal computers to a wireless antenna.



Listening script

Nikola Tesla was a great scientist and inventor born in 1856. Today, many people know his name because of the famous electric car company. However, this company was named to honor Tesla, who changed the world with his ideas about electricity. He was a true genius in physics and electrical engineering. He wanted to do more than just make useful machines. His biggest goal was to change how human beings get electricity. He wanted to use the Earth's natural energy to power the entire world.

To achieve this, Tesla designed a great project called the World Wireless System. He planned to build about 30 huge towers around the globe. His idea was based on physics: using the Earth itself and the atmosphere as giant conductors to send electrical energy without any wires.

If Tesla's physical theories had been perfectly correct, the system would have changed human history. People anywhere on Earth—even in the most remote areas of Africa—could get electricity easily. They would only need to stick a simple antenna, or a receiver, into the ground. The receiver would automatically connect to the energy moving through the Earth. Although his project was never completed, Tesla's magnificent dream still inspires physicists today.

Science Questions True or False?

- 1 Sound travels faster than light.
- 2 There is no sound in space.
- 3 The sun is a giant planet.
- 4 About 97% of Earth's water is salty ocean water. Only about 3% is fresh water.
- 5 There are active volcanoes underneath the ocean.
- 6 Bats are a type of bird
- 7 Honey can never spoil and can last for thousands of years.



Questions

- 1 Which electronic device in your house could you absolutely not live without?
- 2 If you could invent any machine to make your daily life easier, what would it do?
- 3 Tesla was very interested in renewable energy like water and air power. Do you try to save energy or use eco-friendly products in your life?
- 4 Tesla often got his scientific ideas from vivid imaginations in his mind. Where or when do you usually get your best ideas or inspirations?
- 5 Tesla died poor because many of his ideas were too advanced for his time. Would you rather be a misunderstood genius ahead of your time, or a successful person who fits perfectly into today's world?
- 6 Tesla wanted to provide free wireless electricity to the whole world, but investors stopped him. If one essential resource (like internet, electricity, or water) became completely free for everyone tomorrow, how would the world change?