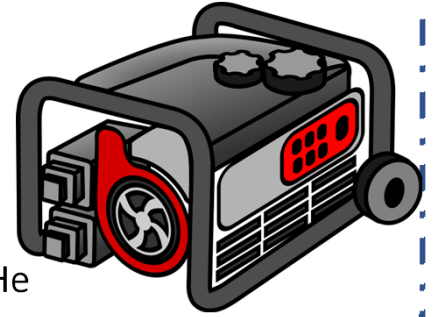


## 5

# An Important Discovery

Faraday was an English scientist who was passionate about physics, chemistry and electricity. He was fascinated by electricity and wanted to find out more about it. One day, Faraday was experimenting with a magnet and a coil of wire. He noticed that when he moved the magnet over the coil of wire, something strange happened. Sparks began to jump between the magnet and the coil of wire. Faraday had made an important discovery - he had generated electricity. This discovery was the first step towards creating the energy we use today. Faraday had made a breakthrough: he had created a way to convert energy from one form to another. This is known as electricity. Faraday's discoveries did not end there. He also discovered how to create a generator, which is the device that produces electricity. Generators use the same principles that Faraday discovered to convert energy from one form to another. Faraday's discoveries had a huge impact on the world. Today, generators are used to produce electricity that is used to power homes, businesses, and factories. Without Faraday's discovery, we would not have the electricity that powers our lives today.



Faraday's discoveries marked the beginning of a new era in energy production. His discoveries paved the way for the development of the world's electricity infrastructure. Michael Faraday's discovery of electricity was an important breakthrough in the history of energy production. His discoveries revolutionized the way we produce and use energy. Thanks to his discoveries, we can now power our homes, businesses, and factories with electricity.

1. Read the passage about “An Important Discovery”
2. Underline any word or sentence you don’t understand.
3. Answer the questions.

# 5

# An Important Discovery

Answer according to the reading passage:

**1. Faraday was an:**

- a. chemist
- b. inventor
- c. English scientist

**2. Faraday was fascinated by:**

- a. generators
- b. electricity
- c. magnets

**3. Faraday's breakthrough was:**

- a. creating a way to convert energy from one form to another
- b. inventing power
- c. learning about magnets

**4. Faraday also discovered how to generate:**

- a. a generator
- b. electricity
- c. magnets

**5. Faraday is famous for making an important breakthrough in the history of energy:**

- a. true
- b. false

**5**

# **An Important Discovery**

## **Open Response Questions**

**Open response questions for thinking skills:**

- 1. Inferring**
- 2. Making Connections**
- 3. Summarizing**
- 4. Visualizing**

- 1. What is the main idea of this passage?**
- 2. How is what Faraday discovered helping us today?**
- 3. Explain in 3 sentences what this reading passage is about.**
- 4. What comes across your mind as you are reading this passage?**
  
- 5. Why are generators important?**
- 6. Provide five facts about Faraday.**
- 7. Why is electricity so important in our lives today?**
- 8. What would life be like without energy?**
- 9. Who does Faraday remind you of?**
- 10. If you could ask Faraday 3 questions, what would they be?**