

# Marie Curie

Marie was a famous scientist. A scientist is a person who asks questions and makes discoveries about the world around them.



## Early Life

Marie was born in Poland in 1867. Her family were very poor. She loved maths and science from a young age.

Marie moved to Paris and this is where she met Pierre Curie. They got married and worked together as scientists.

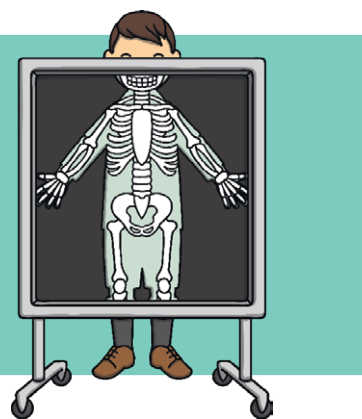
## Marie the Scientist

Marie and Pierre worked together to do experiments and find out new things. Marie found out that a strange glow was made by something that she called radioactivity.

Marie and Pierre were given a prize for finding out about radioactivity. Marie won another prize for finding out about radium. Marie found out that radium could help people who were ill.



Marie's work helped to develop x-rays.



## How Is Marie Remembered?

Marie is remembered as a very important scientist who helped people. A charity that helps ill people is named after her.

# Questions

1. What was Marie's job? Tick one.
  - teacher
  - pilot
  - scientist
2. Which word describes Marie's family? Tick one.
  - poor
  - rich
  - happy
3. What was the name of Marie's husband? Tick one.
  - Paul
  - Pierre
  - Peter
4. Who could radium help? Tick one.
  - old people
  - ill people
  - sad people
5. What did Marie's work help to develop? Tick one.
  - the oven
  - the TV
  - the x-ray

# Answers

1. What was Marie's job? Tick one.

- teacher
- pilot
- scientist**

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- the oven
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# Marie Curie

Marie was a famous scientist who made many discoveries. Her work helped develop the x-rays that we have today.



## Early Life

Marie was born in Poland on 7<sup>th</sup> November 1867. She was the youngest of five children in a poor family. Marie's parents were teachers. Marie loved maths and science from a young age.

Marie moved to Paris to study science and this is where she met Pierre Curie. They soon got married and began working together as scientists.

## Marie the Scientist

Marie was interested in a strange glow coming from some soils and rocks. Marie and Pierre worked together to find out why this happened. Marie discovered that the glow was caused by something that she called radioactivity.

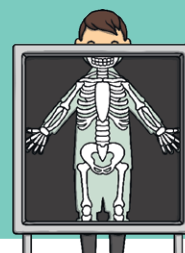
Marie and Pierre were given a Nobel Prize for the discovery of radioactivity in 1903. This is the best award a scientist can be given. Marie won another Nobel Prize for her discovery of polonium and radium in 1911. Marie found out that radium could treat people who were very ill. It is still used to treat ill people today.

## How Is Marie Remembered?

Marie is remembered as a very important scientist who helped people. A charity that helps ill people is named after her.

## Did You Know...?

Marie's work helped to develop x-rays.



# Questions

1. What is Marie most famous for? Tick one.

- making cakes
- making discoveries
- writing books

2. Number the events from 1-3 to show the order that they happened in.

- Marie won another Nobel Prize.
- 1 Marie was born on 7<sup>th</sup> November 1867.
- Marie and Pierre were awarded the Nobel Prize.

3. Draw **three** lines and complete each sentence.

Marie loved...

a strange glow coming from some soils and rocks.

Marie's work helped...

to develop x-rays.

Marie was interested in...

maths and science from a young age.

4. Find and copy one word which shows that lots of people knew about Marie.

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5. What did Marie find out about radium?

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# Answers

1. What is Marie most famous for? Tick one.

- making cakes  
 **making discoveries**  
 writing books

2. Number the events from 1-3 to show the order that they happened in.

- 3** Marie won another Nobel Prize.  
**1** Marie was born on 7<sup>th</sup> November 1867.  
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3. Draw **three** lines and complete each sentence.

Marie loved...		a strange glow coming from some soils and rocks.
Marie's work helped...		to develop x-rays.
Marie was interested in...		maths and science from a young age.

4. Find and copy one word which shows that lots of people knew about Marie.

**famous**

5. What did Marie find out about radium?

**Marie found out that radium could treat people who were very ill.**

# Marie Curie



Marie was a famous physicist and chemist who made many important discoveries. Her pioneering work helped develop the x-rays that we have today.

## Early Life

Marie was born in Warsaw, Poland on 7<sup>th</sup> November 1867. She was the youngest of five children in a poor family. Her parents were school teachers. From a young age, Marie loved maths and science and wanted to go to university. However, this was very expensive and most universities didn't let women study science at this time. She worked hard and finally saved enough money to move to Paris.

Marie moved to Paris in 1891 to go to a university to study physics and maths. This was where she met Pierre Curie. They soon got married and began working together as scientists.

## Amazing Discoveries

Marie was interested in uranium rays coming from some soils and rocks. Marie and Pierre worked together to work out why this happened. She discovered that the effect was caused by



something that she called radioactivity.

Marie and Pierre were awarded a Nobel Prize for physics in 1903 for the discovery of radioactivity. In 1911, Marie won a Nobel Prize in chemistry for her discovery of two new elements called polonium and radium. Marie discovered that radium could treat people who were very ill and it is still used to treat people today. However, radium was also dangerous and could make people unwell. Marie eventually became ill as a result of working so closely with radioactive materials.

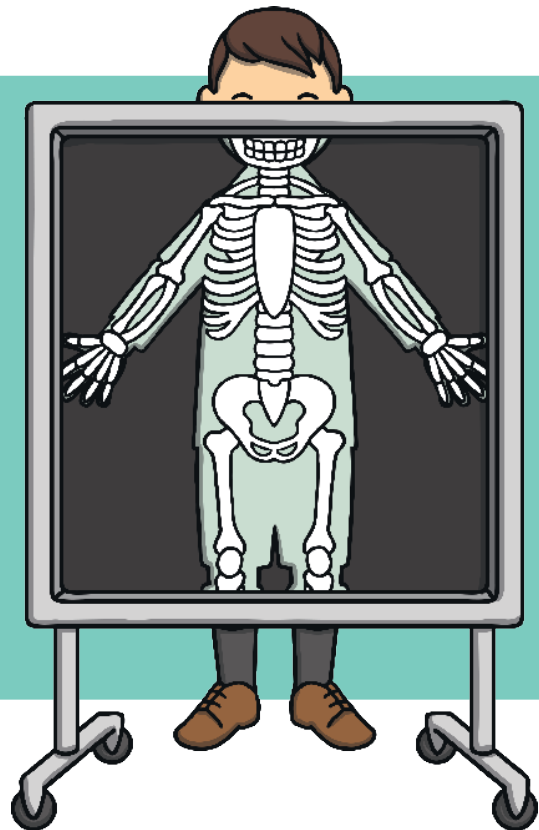
During the First World War, Marie and her daughter Irene created x-ray trucks that could be used to help wounded soldiers who were far from hospitals. These x-ray trucks saved many lives.

### Marie's Legacy

Marie continues to inspire scientists to this day. A charity that supports ill people and their families is named after her. She also proved that women could be excellent scientists at a time when some people didn't believe this.

### Did You Know...?

Marie was the first woman to be awarded a Nobel Prize and was the first person to win two Nobel Prizes.





# Questions

1. What were Marie's scientific jobs? Tick **two**.

- chemist
- biologist
- physicist

2. Number the events from 1-4 to show the order in which they happened. The first one has been done for you.

- Marie moved to Paris in 1891.
- Marie won the Nobel Prize for her discovery of polonium and radium.
- 1** Marie was born on 7<sup>th</sup> November 1867.
- Marie and Pierre were awarded a Nobel Prize for the discovery of radioactivity.

3. Fill in the missing word.

Marie couldn't go to university straight away because it was very \_\_\_\_\_ and because she was a woman.

4. Find and copy one word that shows Marie's work had never been done before.

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5. What could radium do?

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6. Why do you think Marie won two Nobel Prizes?

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# Answers

1. What were Marie's scientific jobs? Tick **two**.

- chemist**
- biologist
- physicist**

2. Number the events from 1-4 to show the order in which they happened. The first one has been done for you.

- 2** Marie moved to Paris in 1891.
- 4** Marie won the Nobel Prize for her discovery of polonium and radium.
- 1** Marie was born on 7<sup>th</sup> November 1867.
- 3** Marie and Pierre were awarded a Nobel Prize for the discovery of radioactivity.

3. Fill in the missing word.

Marie couldn't go to university straight away because it was very **expensive** and because she was a woman.

4. Find and copy one word that shows Marie's work had never been done before.

**pioneering**

5. What could radium do?

**Accept any of the following: Radium could treat people who were very ill; Radium could make people unwell.**

6. Why do you think Marie won two Nobel Prizes?

**Pupils' own responses, such as: I think Marie won two Nobel Prizes because she discovered and made lots of new things including x-ray trucks which helped to save people's lives.**