



Series Curies

Ovestions, questions.

Marie had \$0 many

questions about science.

Marie came from a poor family
in Poland. She saved and struggled
to study science at university in
Paris, France – and dedicated her
life to finding answers that gave the
world treatments for serious illnesses.

It was in Paris that Marie became intrigued by a recent mind-boggling scientific discovery... X-rays!

IFIMMING there are Substanoff

Hascinating!

Here are any natural

Substances that give

Off radiation?

studied in 1895, by German physicist Wilhelm Röntgen. They are invisible rays that pass through solid objects, like our bodies. X-rays are a type of radiation.

Marie's research wasn't all fizzing and whizzing and exciting explosions. There was lots of watching and waiting until ...

two brand new elements*

Polonium and radium! Both glow radiation. They are RADIOACTIVE!

them is useful 2

*Element: The metals, minerals, liquids and gases that the world is made up of. Finding a new one is BIG news!

*RADIOACTIVE: Marie

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said that substances that

gave off radiation were

gave off radiation were

radioactive. (Marie Curie

radioactive. first person

was the first person

to use this term.)

Further experiments revealed that radium was a wonder element - it could be used to treat people with cancer.

In 1903 and 1911 Marie was given the world's top award for science the Nobel Prize. She is the only woman to have won the prize twice.



Marie liked to sleep beside a gently glowing jar of radium but didn't realise this was dangerous!

Marie felt ill a lot of the time. We now know she was suffering from radiation poisoning.

Adventure-loving American pilot Amelia Earhart wanted to become the first ever woman to

THE ADVENTURE STARTS HERE!

20th May 1932, Amelia takes off from Harbour Grace, Newfoundland, Canada headed for Paris, France.

fly solo across the vast Atlantic Ocean. Even though the dangerous journey had only been completed solo by one man before, and many others had died attempting it, Amelia was still determined to let her dreams take flight ...

> Only 3200 kilometres to go!



Strong winds and icy

FLYING HIGH!

Thinking quickly, Amelia changes course and lands safely, in Londonderry, Northern Ireland! (Phew!) 14 hours and 56 minutes after setting off Amelia becomes the first woman to fly the Atlantic solo!

On 11th July 1935 Amelia became the

first ever person to fly solo across the Pacific Ocean. Amelia took a flask of hot chocolate on the 3875 kilometre journey to sip as she soared above the world!

In 1937 Amelia's plane vanished over the Pacific while she was trying to become the first woman to fly around the entire world. Despite a huge rescue attempt, Amelia was never found. Nobody is sure what went wrong on her final flight but what is certain is how Amelia showed the world what amazing things a girl with adventure in her heart can achieve.



conditions cause mechanical problems. Amelia realises she isn't going to make it to Paris ...



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