

# The Periodic Table

## Lesson 3 - Developing the Periodic Table

Science

Chemistry - Key Stage 3

Miss Willett



# What have you learnt already?

1. What is an element?
2. Where are non-metals on the periodic table?
3. What is the name of the line that separates metals and non-metals?



# Chemical or physical?!

BOILING POINT

REACTS WITH AIR



# Properties of substances

**Q1) What is a property?**

**Q2) State the difference between chemical and physical properties**



## True or false?

Mendeleev was born in St Petersburg

Mendeleev had lots of siblings

Mendeleev's parents were both already great scientists



## True or false?

Mendeleev LOVED going to parties!!

He imagined he saw the periodic table in a cloud

He attributed his logic to playing cards

Mendeleev's genius is that he made sure all the table was full, no gaps!



# Mendeleev: Comprehension

**Q1) State three facts about Mendeleev's early life.**



# Mendeleev: Comprehension

**Q2) Where did his inspiration for the periodic table come from?**





# Mendeleev: Comprehension

**Q3) Why is Mendeleev thought of as a genius?**



# Show you know!

Summarise how Mendeleev devised the periodic table

