Periodic table

Matter 3.5.3 | Part 2, usually Year 8 | 20 quick questions

KS3 science quick questions

Answer online, marked instantly

Activate 2: The Periodic Table; Activate 3: Atoms and the Periodic Table | Exploring Science 8F

Name: _____ **Date:** _____ **Score:** _____ **/ 20**

1 What are the vertical columns of the periodic table called?

2 What are the horizontal rows of the periodic table called?

3 On which side of the periodic table are most of the metals found: left or right?

4 Is the majority of elements in the periodic table metals or non-metals?

5 What is the family name for the elements in Group 1, such as lithium and sodium?

6 What is the family name for the elements in Group 7, such as chlorine and iodine?

7 What is the family name for the elements in Group 0, such as neon and argon?

8 Argon is used inside some light bulbs because it does not react with the hot filament. Are the noble gases reactive or unreactive?

9 Which Russian chemist arranged the elements into a table in 1869 and left gaps for undiscovered elements?

10 Elements in the same group react in similar ways. Which one word completes this: they have similar _____ properties?

11 Going down Group 1 from lithium to potassium, does reactivity increase or decrease?

12 Going down Group 7 from fluorine to iodine, does reactivity increase or decrease?

13 A small piece of sodium is dropped into water and fizzes. Which gas is given off?

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14 Group 1 metals react with air and water, so in school they are kept stored under a liquid. Which liquid?

15 Which yellow-green halogen gas is used at water treatment works to kill germs in tap water?

Year 9 stretch

16 Chlorine is a gas, bromine is a liquid and iodine is a solid at room temperature. Going down Group 7, do the melting and boiling points increase or decrease?

17 Caesium is lower down Group 1 than potassium. Is caesium more or less reactive than potassium?

18 Chlorine water is added to potassium bromide solution and the mixture turns orange. Which halogen has been pushed out of the compound?

19 Which element is in Period 3 and Group 1 of the periodic table?

20 Explain why Mendeleev left gaps in his table instead of filling every space.

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