



alkali metals
23 Questions

NAME : _____

CLASS : _____

DATE : _____

1. Alkali metals are found in which group of the periodic table?

Group 1

Group 2

Group 7

group 8

2. Which of the following is the most reactive in water?

Lithium

Sodium

Potassium

3. What is formed when sodium reacts with water?

sodium oxide and hydrogen

sodium hydroxide and hydrogen

sodium hydroxide and oxygen

sodium hydroxide and carbon dioxide

4. Which of the following is NOT an alkali metal

Li

Cl

K

Cs

5. Which is the lightest alkali metal?

Aluminium

Hydrogen

Lithium

Potassium

6. Alkali metals have _____ conductivity of heat and electricity.

good

semi

poor

no

7. The alkali metal with the smallest atom is ____.

Cs

Na

Li

K

8. Alkali metals are located in column ___ of the periodic table.

1

2

7

8

9. Alkali metals have ___ valence electron(s).

one

two

seven

eight

10. What element is the most reactive alkali metal with water?

sodium

cesium

lithium

potassium

11. Is hydrogen an alkali metal?

no

yes

maybe

12. How many electrons do the alkali metals have in their outer shell?

1

2

8

7

13. Which alkali metal has the symbol Cs

Caesium

Cesium

Calcium

Sodium

14. Which gas is released when the alkali metals react with water?

hydrogen

oxygen

hydroxide

carbon dioxide

15. How does a group 1 metal atom form an ion?

lose 1 electron

lose 2 electrons

gain 1 electron

gain 2 electrons

16. What is the charge of a group 1 metal ion?

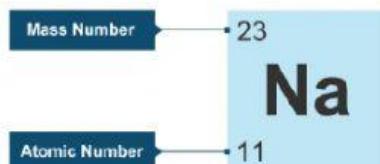
1+

2+

1-

2-

17.



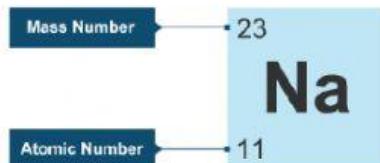
How many protons does a sodium atom have?

11

23

12

18.



How many electrons does a sodium atom have?>

11

23

12

23. Which of the following are alkali metals

Sodium

Caesium

Francium

Calcium

Potassium