

Science & Technology 404

01. What is the atomic mass of an element? _____
02. What is the atomic mass of Aluminum? _____
03. How many protons and electrons are there in each atom of lead? ____ ____

THE PERIODIC TABLE

06. What is the purpose of the staircase line? _____
07. Where are the non-metals located? _____
08. Give the name and symbol for 3 non-metals _____
09. Where are the metals located? _____
10. Give the name and symbol for 3 metals _____
11. Where are the metalloids located? _____
12. Give the name and symbol for 3 metalloids _____
13. Name some properties of metals. _____

14. Name some properties of non-metals. _____

15. Name some properties of metalloids. _____

16. What are the rows called? _____
17. How many rows are there? _____

18. What are the columns called? _____
19. How many are there? _____
20. Why are the elements in groups? _____
21. Elements in Group I A: _____
22. Name of Group I A _____
23. Elements in Group II A: _____
24. Name of Group II A _____
25. Elements in Group VII: _____
26. Name of Group VII A _____
27. Elements in Group VIII A: _____
28. Name of Group VIII A _____
29. You are given a sample of **each of the first 12 elements** of the periodic table. Each element is identified by a characteristic written on its label. The following information is what you read on the labels. Which **element** is identified by each label?

Element	Characteristic
_____	a. Has 5 protons and 6 neutrons.
_____	b. Is an inert gas
_____	c. Has the following electron configuration: ● 2) 6)
_____	d. Is an alkaline-earth element
_____	e. Can place its electrons in the first two energy levels.
_____	f. Has 2 valence electrons and a complete outermost energy level.
_____	g. Is a soft metal, is very reactive and is stored in oil.
_____	h. Must lose one electron to obtain the electron stability of element b.
_____	i. Is the lightest gas.
_____	j. Belongs to the same family as element d and has an atomic number greater than that of element a .
_____	k. Can either gain or lose 4 electrons.
_____	l. Is a halogen.