C

Which statement about an atom of fluorine, $^{19}_{\ 9}F$, is correct?

B It contains a total of 28 protons, neutrons and electrons.

Its isotopes contain different numbers of protons.

A It contains more protons than neutrons.

D Its nucleus contains 9 neutrons.

5	WI	nich numb	er is d	lifferent for	isoto	pes of the	same e	element'	?			
	A	number	of ele	ctrons								
	В	number	of full	shells								
	C	number	of nuc	leons								
	D	number	of pro	tons								
6	Which atom has two more electrons than an atom of a noble gas?											
	A	aluminiu	ım									
	В	bromine										
	C	calcium										
	D	rubidium	1									
Note	s: 2 n	nore electro	ons in a	ın atom, also	o mear	ns there is 2	2 more p	orotons in	the atom.			
10	For	each atom o	of carbo	on present in f hydrogen.	a mole	cule, there i	s an equ	al number	of atoms of oxygen but			
	Wha	What is the formula of the molecule?										
	A	C ₂ H ₂ O ₂	В	C ₂ H ₂ O ₄	C	C ₂ H ₄ O ₂	D	C ₂ H ₆ O				
									#LIVEWORKSH	IEEIS		

Chapter 8 - Past year exam questions

- 9 Which change to an atom occurs when it forms a positive ion?
 - A It gains electrons.
 - B It gains protons.
 - C It loses electrons.
 - D It loses protons.

An element S has the proton number 18. The next element in the Periodic Table is an element T.

Which statement is correct?

- A Element T has one more electron in its outer shell than element S.
- B Element T has one more electron shell than element S.
- C Element T is in the same group of the Periodic Table as element S.
- D Element T is in the same period of the Periodic Table as element S.

Which numbers are added together to give the nucleon number of an ion?

- A number of electrons + number of neutrons
- B number of electrons + number of protons
- C number of electrons + number of protons + number of neutrons
- D number of protons + number of neutrons

The symbols of two atoms may be written as shown.

52 X 52 Y

Which statement about these atoms is correct?

- A They are different elements because they have different numbers of neutrons.
- B They are different elements because they have different numbers of protons.
- C They are isotopes of the same element because they have the same nucleon number.
- D They are isotopes of the same element because they have the same proton number.

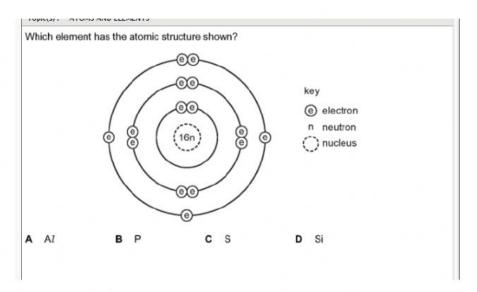


Chapter 8 - Past year exam questions

The electronic configuration of an ion is 2.8.8.

What could this ion be?

	S ²⁻	Ca ²⁺
A	1	1
В	✓	×
С	×	1
D	x	x



Elements in Group I of the Periodic Table react with water. Which row describes the products made in the reaction and the trend in reactivity of the elements?

	Products	Trend in reactivity
A.	metal hydroxide and hydrogen	Less reactive down the group
В.	metal hydroxide and hydrogen	More reactive down the group
C.	metal oxide and hydrogen	Less reactive down the group
D.	metal oxide and hydrogen	more reactive down the group

