Atomic and Structure and Isotopes (MCQ)

Cr S2- Co2+ Co2	Which ion ha	as a different number of e	electrons from the other three	e ions?
Cour answer Which row shows the atomic structure of ³⁷ C/r? Protons neutrons electrons A	A Ga³⁺			
Cour answer Which row shows the atomic structure of ³⁷ C/r? Protons neutrons electrons A	B C/-			
Vhich row shows the atomic structure of ³⁷ C/r?				
Which row shows the atomic structure of ³⁷ C/r?	U Ca-			
Which row shows the atomic structure of ³⁷ C/r?				
Which row shows the atomic structure of ³⁷ C/r?				
Protons Neutrons Electrons	Your answer	-		
Protons Neutrons Electrons				
Protons Neutrons Electrons				
Protons Neutrons Electrons				
A 17 18 20 18 C 18 19 17 D 20 17 21 How many electrons are in a A. 10 B. 12 C. 14 D. 22	Which row sh	hows the atomic structur	e of ³⁷ C/ ⁻ ?	
A 17 18 20 18 C 18 19 17 D 20 17 21 How many electrons are in a A. 10 B. 12 C. 14 D. 22				
A 17 18 20 18 C 18 19 17 D 20 17 21 How many electrons are in a A. 10 B. 12 C. 14 D. 22		protons	neutrons	electrons
C 18 19 17 D 20 17 21 Your answer How many electrons are in a A. 10 B. 12 C. 14 D. 22	Α			
D 20 17 21 Your answer How many electrons are in a A. 10 B. 12 C. 14 D. 22	В	17	20	18
How many electrons are in a A. 10 B. 12 C. 14 D. 22	С	18	19	17
How many electrons are in a A. 10 B. 12 C. 14 D. 22	D	20	17	21
A. 10 B. 12 C. 14 D. 22	1			
B. 12 C. 14 D. 22	1			21
D. 22	Your answer How many e	electrons are in a		21
	Your answer How many e A. 1 B. 1	electrons are in a		21
our answer	Your answer How many e A. 19 B. 11 C. 14	electrons are in a 0 2 4		21
our answer	Your answer How many e A. 19 B. 11 C. 14	electrons are in a 0 2 4		21
our answer	Your answer How many e A. 19 B. 11 C. 14	electrons are in a 0 2 4		21
	Your answer How many e A. 19 B. 11 C. 14	electrons are in a 0 2 4		
	Your answer How many e A. 19 B. 11 C. 14	electrons are in a 0 2 4 2		
	Your answer How many e A. 1 B. 1 C. 1 D. 2	electrons are in a 0 2 4 2		21
	Your answer How many e A. 1 B. 1 C. 1 D. 2	electrons are in a 0 2 4 2		

4. Information about two isotopes of an element is given in the table.

Isotope	Mass number	% Abundance
Α	144	24
В	145	9

Which statement is correct?

- A. The relative atomic mass of the element is 47.61.
- B. Isotope B has more protons than isotope A.
 C. Isotope B has fewer neutrons than isotope A.
 D. The relative isotopic mass of isotope B is 145.

END OF QUESTION PAPER

[1]

Mark scheme – Atomic Structure and Isotopes MCQ

Q	uestic	on	Answer/Indicative content	Marks	Guidance
1			A	1	Examiner's Comments The majority of candidates provided the correct answer with only the very weakest candidates not achieving the mark.
			Total	1	
2			В	1	Examiner's Comments Generally scored well.
			Total	1	
3			A	1	
			Total	1	
4			D	1	
			Total	1	