

Atomic structure

Before you answer the puzzle below fill in the table of isotopes:

isotope	number of protons	neutrons	electrons
¹⁹ 9F			
³⁵ 17 C I			2,8,7
² 1H			
⁷ ₃Li			

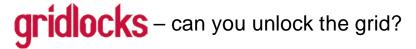
Puzzle 1

Each row, column and 2 x 2 box contains information about each of the isotopes. Use your problem solving skills and the answers in the table above to fill in the blank boxes.

isotope		number of protons	
³⁵ 17 C I			
		3	
		2,7	
	1		
neutrons		elect	rons







Puzzle 2

Each row, column and 2 x 2 box contains information about each of the isotopes. Use your problem solving skills and the answers in the table above to fill in the blank boxes.

isotope		number of protons	
	¹⁹ 9F		3
			9
17			1
number of protons		neut	rons

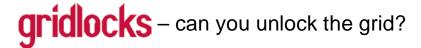
Puzzle 3

This puzzle is based on 4 different elements; you will have to work out what they are.

element		number of protons	
0			6
	2		2,8,1
number o	of protons	elect	rons







Atomic structure – answers

Before you answer the puzzle below fill in the table of isotopes:

isotope	number of protons	neutrons	electrons
¹⁹ 9F	9	10	2,7
³⁵ 17 C I	17	18	2,8,7
² 1H	1	1	1
⁷ ₃Li	3	4	2,1

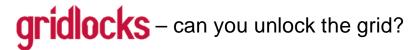
Puzzle 1 - answers

Each row, column and 2×2 box contains information about each of the isotopes. Use your problem solving skills and the answers in the table above to fill in the blank boxes.

isotope		number of protons	
³⁵ 17 C I	⁷ ₃Li	1	9
² 1H	¹⁹ 9F	3	17
4	18	2,7	1
10	1	2,8,7	2,1
neutrons		elect	rons







Puzzle 2 - answers

Each row, column and 2 x 2 box contains information about each of the isotopes. Use your problem solving skills and the answers in the table above to fill in the blank boxes.

isotope		number of protons	
²₁H	¹⁹ 9F	17	3
⁷ ₃Li	³⁵ 17 Cl	1	9
9	1	4	18
17	3	10	1
number of protons		neut	rons

Puzzle 3 - answers

This puzzle is based on 4 different elements; you will have to work out what they are.

element		number of protons	
0	Na	2	6
He	С	11	8
6	2	2,6	2,8,1
11	8	2,4	2
number o	of protons	elect	trons



