

Name : _____ Score : _____ Date : _____

Calculating Protons, Neutrons, and Electrons

Use a periodic table to find the numbers of protons, neutrons, electrons, etc., for atoms of the following elements.

Name of Element	Element Symbol	Mass Number	Atomic Number	Protons	Neutrons	Electrons	Valence Electrons	Period Number
Boron	B	11	5	5	6	5		
Sodium		24	11					
	Y	89				39		
Copper			29		35			
	Tc	98		43				
	Pb	207						
Thallium		204	81					
	H				0			
Carbon		12						
	N			7				
	Ba				81	56		
Calcium								
	Si				14	14		

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Answers

Name of Element	Element Symbol	Mass Number	Atomic Number	Protons	Neutrons	Electrons	Valence Electrons	Period Number
Boron	B	11	5	5	6	5	3	2
Sodium	Na	24	11	11	13	11	1	3
Yttrium	Y	89	39	39	50	39	3	5
Copper	Cu	64	29	29	35	29	1	4
Technetium	Tc	98	43	43	55	43	7	5
Lead	Pb	207	82	82	125	82	4	6
Thallium	Tl	204	81	81	123	81	3	6
Hydrogen	H	1	1	1	0	1	1	1
Carbon	C	12	6	6	6	6	4	2
Nitrogen	N	14	7	7	7	7	5	2
Barium	Ba	137	56	56	81	56	2	6
Calcium	Ca	40	20	20	20	20	2	4
Silicon	Si	28	14	14	14	14	4	3