

Name :

Date :

Valence Electrons and Periodic Table Worksheet

- 1 Answers the following questions.
- a An atom that gains one or more electrons will have a _____ charge.
 - b An atom that loses one or more electrons will have a _____ charge.
 - c An atom that gains or loses one or more electrons is called an _____.
 - d A positive ion is called a _____ and a negative ion is called an _____.
- 2 Using the periodic table, fill the missing information.

Group Number	Periodic Number	Symbol	Element
	7	Fr	
2	3		
17			Bromine
	5	Sb	
3	4		
2			Calcium
16		O	
14	3		
16			Polonium

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Answers

- 1] Answers the following questions.
- a] An atom that gains one or more electrons will have a negative charge.
 - b] An atom that loses one or more electrons will have a positive charge.
 - c] An atom that gains or loses one or more electrons is called an ion.
 - d] A positive ion is called a cation and a negative ion is called an anion.
- 2] Using the periodic table, fill the missing information.

Group Number	Periodic Number	Symbol	Element
1	7	Fr	Francium
2	3	Mg	Magnesium
17	4	Br	Bromine
15	5	Sb	Antimony
3	4	Sc	Scandium
2	4	Ca	Calcium
16	2	O	Oxygen
14	3	Si	Silicon
16	6	Po	Polonium