

Set A: Classifying elements

Objective: To test your ability to determine types of element .

Below, symbols of elements are given. Check one or more columns that each element is classified as.

metal nonmetal metalloid alkali alkaline transition halogen noble gas monatomic diatomic

1. Sb			X						X	
2. Sr	X				X				X	
3. Rn		X						X	X	
4. P		X							X	
5. Pt	X					X			X	
6. Cs	X			X					X	
7. S		X							X	
8. Fe	X					X			X	
9. Br		X					X			X
10. Ar		X						X	X	

Set B: Properties of elements

Objective: To test your ability to determine properties of a given element

Symbols of elements are given below. Check one or more columns of properties that best describe each element.

Physical properties Conductivity Ionization energy electronegativity Lose or gain e-

luster malleable ductile brittle good poor low high low high lose gain

11. C non				X		X		X		X		X
12. Ag metal	X	X	X		X		X		X		X	
13. Mg metal	X	X	X		X		X		X		X	
14. I non				X		X		X		X		X
15. S non				X		X		X		X		X
16. Au metal	X	X	X		X		X		X		X	