

Name : \_\_\_\_\_ Date : \_\_\_\_\_

# Chemistry Periodic Trends Worksheet

Write the periodic trends for the given properties of the periodic table elements.

Property	Trend from left to right across a period	Trend from top to bottom down a group
Atomic radius		
Ionic radius		
First ionization energy		
Electronegativity		
Electron affinity		
Number of valence electrons		
Atomic number		

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# Chemistry Periodic Trends Worksheet

## Answers

Property	Trend from left to right across a period	Trend from top to bottom down a group
Atomic radius	Decreases	Increases
Ionic radius	Decreases across the metals and then gets much larger at the nonmetals and then decreases again	Increases
First ionization energy	Increases	Decreases
Electronegativity	Increases	Decreases
Electron affinity	Increases	Decreases
Number of valence electrons	Increases	Remains same
Atomic number	Increases	Increases