

Chapter 5 The Periodic Table

WordWise

Match each definition with the correct term by writing the definition's number in the grid. When you have filled in all the boxes, add up the numbers in each column, row, and the two diagonals. Hint: The sum should be 15 in each case.

Definitions

1. An arrangement of elements in columns based on a set of properties that repeat from row to row
2. A pattern of repeating properties that occurs when atomic numbers are used to arrange elements into groups
3. One twelfth the mass of a carbon-12 atom
4. Elements that are good conductors of heat and electric current
5. Elements that form a bridge between the elements on the left and right sides of the periodic table
6. Elements that are poor conductors of heat and electric current
7. Elements with properties that fall between those of metals and nonmetals
8. An electron that is in the highest occupied energy level of an atom
9. Colorless, odorless, and extremely unreactive gases

			diagonal = _____
nonmetals _____	periodic table _____	valence electron _____	= _____
metalloids _____	transition metals _____	atomic mass unit _____	= _____
periodic law _____	noble gas _____	metals _____	= _____
= _____	= _____	= _____	diagonal = _____

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