

# Chapter 9

## The Periodic Table

### 9.1 The Periodic Table

01. 0620\_m20\_qp\_22 Q: 22

Which statement about the Periodic Table is correct?

- A Most metallic elements are on the left.
  - B Elements in the same period have the same number of outer electrons.
  - C Elements on the left are usually gases.
  - D The relative atomic mass of the elements increases from right to left.
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02. 0620\_p20\_qp\_20 Q: 26

Part of the Periodic Table is shown.

The letters are not the chemical symbols of the elements.

The diagram shows a partial periodic table grid. The first row has two empty cells. The second row has a cell labeled 'W' in the second column and an empty cell in the third column. The third row has a cell labeled 'Z' in the first column and an empty cell in the second column. The fourth row has a cell labeled 'Y' in the fifth column and a cell labeled 'X' in the seventh column. The fifth row has two empty cells in the first and second columns, followed by a long horizontal bar representing the transition metals, and then two empty cells in the seventh and eighth columns. The sixth row has two empty cells in the first and second columns, followed by a long horizontal bar representing the transition metals, and then two empty cells in the seventh and eighth columns.

Which statement about the elements is **not** correct.

- A W has two electrons in the outermost shell.
  - B Y is in Group IV of the Periodic Table.
  - C X and Y bond covalently to form a molecule  $XY_4$ .
  - D Z has more metallic character than Y.
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03. 0620\_s20\_qp\_21 Q: 22

A Group I metal (lithium, sodium or potassium) is reacted with a Group VII element (chlorine, bromine or iodine).

Which compound is formed when the Group I metal of highest density reacts with the Group VII element of lowest density?

- A lithium chloride
- B potassium chloride
- C potassium iodide
- D lithium iodide



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SN	Paper	Q. No.	Answer
01	0620_m20_qp_22	22	A
02	0620_p20_qp_20	26	C
03	0620_s20_qp_21	22	B



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