

Periodic Classification of Elements MCQ Questions with Answers

Question: Which of the given elements A, B, C, D and E with atomic numbers 2, 4, 8, 10 and 18 respectively belong to the same period?

- a) B,C,D
- b) A, B, C
- c) A,D,E
- d) B,D,E

Question: Which of the following elements would accept an electron readily?

- a) Cl
- b) F
- c) Br
- d) I

Question: Which of the following elements would lose an electron easily?

- a) K
- b) Na
- c) Ca
- d) Mg

Question: An element has 13 protons. The group and period to which it belongs:

- a) 3rd period and 13th group
- b) 2nd period and 13th group
- c) 3rd period and 3rd group
- d) 2nd period and 3rd group

Question: Which of the following has most non metallic character:

- a) F
- b) N
- c) C
- d) O

Question: The lightest metal is :

- a) Li
- b) Na
- c) K
- d) Mg

Question: Which of the following is the correct order of size:

- a) F < Cl < Br < I
- b) Cl < F < Br < I
- c) I < br < cl
- d) Br < I < Cl < F

Question: The most metallic element in the fourth period is:

- a) K
- b) Ca
- c) S
- d) P

Question: Which of the following is the correct order of size:

- a) I⁻ > I > I⁺
- b) I⁺ > I⁻ > I
- c) I > I⁺ > I
- d) I > I⁻ > I⁺

Question: Which of the given elements A, B, C, D and E with atomic numbers 2, 4, 8, 10 and 18 respectively belong to the same period?

- a) B,C,D
- b) A, B, C
- c) A,D,E
- d) B,D,E

Question: Where would you locate an element with electronic configuration 2, 8, 7 in the modern periodic table?

- a) Group7 and period 3
- b) Group 7 and period 2
- c) Group 17 and period 3
- d) Group17 and period 3

Question: Which of the following hydroxides are most basic:

- a) Ba(OH)₂
- b) Be(OH)₂
- c) Mg(OH)₂
- d) Ca(OH)₂

Question: Which of the following are characteristics of isotopes of an element?

- a) Isotopes of an element have same atomic masses
- b) Isotopes of an element have same atomic number
- c) Isotopes of an element show same physical properties
- d) Isotopes of an element have same chemical properties

- a) B and c
- b) A, c, d
- c) B, c, d
- d) B and d

Question: Which of the following will form acidic oxide? An element with atomic number:

- a) 7
- b) 11
- c) 21
- d) 19

Question: Elements with atomic number 15 and mass number 31 is present in:

- a) Group15 and period 3
- b) Group 5 and period 4
- c) Group5 and period 3
- d) Group15 and period 4

Question: The pairs of elements with the following atomic numbers have the same chemical properties

- a) 3 & 11
- b) 13 & 12
- c) 4 & 24
- d) 2 & 1

Question: The number of elements present in the 2nd, 3rd, 4th and 5th periods of the modern periodic table are:

- a) 8,8,18,32
- b) 2,8,8,18
- c) 8,8,18,18
- d) 8,18,18,32