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 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

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) $Ca(OH)_2$

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