ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

TERM- 3

ANSWERS

Subject- ChemistryWorksheet- 1 Class – 10

Date- 7.11.2020

Topic- Metallurgy

CHOOSE THE CORRECT OPTION- (MCQ) MARKS : 1× 15

Q1.

1. Aluminium is used for making cooking uten¬sils. Which of the following properties of alu¬minium are responsible for the same?
(i) Good thermal conductivity
(ii) Good electrical conductivity
(iii) Ductility
(iv) High melting point
(a) (i) and (ii)
(b) (i) and (iii)
(c) (ii) and (iii)
(d) (i) and (iv)

Answer

Answer: d

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2. The most abundant metal in the earth's crust is
(a) Iron
(b) Aluminium
(c) Calcium
(d) Sodium

Answer

Answer: b

3. The poorest conductor of heat among metals is
(a) Lead
(b) Mercury
(c) Calcium
(d) Sodium

Answer

Answer: a

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4. Which property of metals is used for making bells and strings of musical instruments like Sitar and Violin?
(a) Sonorousness
(b) Malleability
(c) Ductility
(d) Conductivity

Answer

Answer: a

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5. Which of the following is the correct arrange-ment of the given metals in ascending order of their reactivity?
Zinc, Iron, Magnesium, Sodium
(a) Zinc > Iron > Magnesium > Sodium
(b) Sodium > Magnesium > Iron > Zinc
(c) Sodium > Zinc > Magnesium > Iron
(d) Sodium > Magnesium > Zinc > Iron

Answer
d.

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6. Which of the following pairs will give dis-placement reactions?
(a) $FeSO_4$ solution and Copper metal
(b) $AgNO_3$ solution and Copper metal
(c) $CuSO_4$ solution and Silver metal
(d) NaCl solution and Copper metal

Answer

Answer: b

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7. Non-metals form covalent chlorides because
(a) they can give electrons to chlorine
(b) they can share electrons with chlorine
(c) they can give electrons to chlorine atoms to form chloride ions
(d) they cannot share electrons with chlorine atoms

Answer

Answer: b

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8. Which of the following oxide(s) of iron would be obtained on prolonged reaction of iron with steam?
(a) FeO
(b) Fe_2O_3
(c) Fe_3O_4
(d) Fe_2O_3 and Fe_2O_4

Answer/ Explanation

Answer: c
Explaination: Reason: $3Fe\ (s) + 4H_2O\ (g) \rightarrow Fe_3O_4\ (s) + 4H_2\ (g)$

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9. Which of tire following are not ionic compounds?
(i) KCl
(ii) HCl
(iii) CCl_4
(iv) NaCl
(a) (i) and (ii)
(b) (ii) and (iii)
(c) (iii) and (iv)
(d) (i) and (iii)

Answer

Answer: b

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10. The highly reactive metals like Sodium, Potas-sium, Magnesium, etc. are extracted by the
(a) electrolysis of their molten chloride
(b) electrolysis of their molten oxides
(c) reduction by aluminium
(d) reduction by carbon

Answer

Answer: a

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11. Which of the following non-metal is lustrous?
(a) Sulphur
(b) Oxygen
(c) Nitrogen
(d) Iodine

Answer

Answer: d

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12. Which one among the following is an acidic oxide?
(a) Na_2O
(b) CO
(c) CO_2
(d) Al_2O_3

Answer

Answer: c

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13. The atomic number of an element ‘X’ is 12. Which inert gas is nearest to X?
(a) He
(b) Ar
(c) Ne
(d) Kr

Answer/ Explanation

Answer: c
Explaination: Reason: ‘X’ is Magnesium and Argon (Ar) with atomic number 12 is the closest inert gas to it.

14.The process in which a carbonate ore is heated strongly in the absence of air to convert it into metal oxide is called
(a) Roasting
(b) Reduction
(c) Calcination
(d) Smelting

Answer

Answer: c

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15. Oxides of moderately reactive metals like Zinc, Iron, Nickel, Tin, Copper etc. are reduced by using
(a) Aluminium as reducing agent
(b) Sodium as reducing agent
(c) Carbon as reducing agent
(d) Calcium as reducing agent

Answer

Answer: c

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