

## Unit 1: Fundamentals of Chemistry

### Extra MCQ's

1. The branch of chemistry which deals with the study of all elements and their compounds except compounds of carbon and hydrogen and their derivatives is called.
 

(a) Organic chemistry	(b) Physical chemistry
(c) Inorganic chemistry	(d) Bio chemistry
2. Which one of the followings provides the identity of a substance?
 

(a) Qualitative analysis	(b) Clinical analysis
(c) Quantitative analysis	(d) Chemical analysis
3. Which one of the followings is applicable in chemical industry like metallurgy, ceramics and glass?
 

(a) Organic chemistry	(b) Inorganic chemistry
(c) Industrial chemistry	(d) Nuclear chemistry
4. Anything that has mass and occupies space is called:
 

(a) Substance	(b) Matter	(c) Element	(d) Atomic mass
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5. The number of elements known in early ages is:
 

(a) 118	(b) 109	(c) 63	(d) 9
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6. Until the end of 19<sup>th</sup> century how many elements were discovered?
 

(a) 9	(b) 63	(c) 92	(d) 118
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7. The percentage of aluminum in crust of earth is:
 

(a) 47%	(b) 28%	(c) 7.8%	(d) 1.8%
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8. Which one of the following elements is liquid at room temperature?
 

(a) Bromine	(b) Mercury	(c) Nitrogen	(d) Both a & b
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9. Piece of matter in pure form is called:
 

(a) Mixture	(b) Matter	(c) Substance	(d) Compound
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10. The quantity of potassium, magnesium, sulphur and sodium in human body is:
 

(a) 0.2%	(b) 0.6%	(c) 0.8%	(d) 0.4%
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11. The unique property of an element is called:
 

(a) Electronegativity	(b) Valency	(c) Mobility	(d) Oxidation number
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12. In water fixed ratio of hydrogen and oxygen by mass is:
 

(a) 8:1	(b) 2:16	(c) 1:8	(d) 2:1
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13. The mixture which has uniform composition throughout is called:
 

(a) Simple mixture	(b) homogeneous mixture
(c) Heterogeneous mixture	(d) Compound mixture
14. Which one of the followings is the mixture of oxygen, nitrogen and carbon dioxide?
 

(a) Soil	(b) Water	(c) Air	(d) Brass
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15. The sum of protons and neutrons in the nucleus of an atom is called:
 

(a) Atomic number	(b) Mass number	(c) Formula mass	(d) Atomic mass unit
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16. A substance whose atoms have the same atomic number is called:
 

(a) Element	(b) Substance	(c) Mixture	(d) Compound
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**Chao Zhang**



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