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ACADEMY**

ATOMIC AND MOLECULAR MASS, EQ. WEIGHT PYQs (2014-2024)



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Which one among the following compounds has same equivalent weight and molecular weight ?

- (a) H_2SO_4
- (b) CaCl_2
- (c) Na_2SO_4
- (d) NaCl



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The pH value of a sample of multiple-distilled water is

- (a) zero
- (b) 14
- (c) very near to zero
- (d) very near to seven

Which one of the following is the most characteristic property of an element?

- (a) Density
- (b) Boiling point
- (c) Mass number
- (d) Atomic number



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There are two elements—calcium (atomic number 20) and argon (atomic number 18). The mass number of both the elements is 40. They are therefore known as

- (a) isotones
- (b) isochores
- (c) isobars
- (d) isotopes



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The equivalent weight of $\text{Ba}(\text{OH})_2$ is
(given, atomic weight of Ba is 137.3)

- (a) 85.7
- (b) 137.3
- (c) 154.3
- (d) 171.3



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117. Consider the following statement :

“Atomic number of an element is a more fundamental property than its atomic mass.”

Who among the following scientists has made the above statement ?

- (a) Dmitri Mendeleev
- (b) Henry Moseley
- (c) J.J. Thomson
- (d) Ernest Rutherford



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