
Equivalent weight in physical chemistry

- Parts of weight of an element combining or displacing

List of standard elements for measuring equivalent weight in physical chemistry

- Hydrogen
- Oxygen
- Chlorine

Magnitude of Part exhibited by hydrogen in measuring equivalent weight in physical chemistry

1.008

Magnitude of Part exhibited by oxygen in measuring equivalent weight in physical chemistry

8

Magnitude of Part exhibited by chlorine in measuring equivalent weight in physical chemistry

35.5

Expression for equivalent weight of an acid

$$\text{Equivalent Weight of acid} = \frac{\text{Molecular weight of acid}}{\text{Basicity}}$$

Basicity in equivalent weight in free molecule

Number of replaceable or replace hydrogen per molecule of acid

Basicity in equivalent weight in chemical reaction

Number of replaced hydrogen per molecule of acid

Molecular weight of hydrochloric acid

36.5

Molecular weight of nitric acid

63

Molecular weight of acetic acid

60

Molecular weight of sulphuric acid

98

Molecular weight of phosphoric acid

98