

Key Q's and Vocab – Elements and Molecules

Vocab:

1. **Law of definite proportions** – elements will combine in whole number ratios based upon mass
2. **Percent composition by mass** – percentage by mass of an element in a compound
3. **Law of multiple proportions** – elements will combine in whole number ratios and the same elements may combine in different ratios to form different compounds

Key Questions:

1. All elements have an average mass that is identical for any large sample. Explain.
2. Molecules of a particular compound are always composed of identical combinations. Explain.
3. Explain the difference between the law of definite proportions and the law of multiple proportions.