

The Mole and Molar Mass

Bell Ringer Activity – Student Edition

Select the best answer for each of the following questions.

1. A mole is...
 - a) The mass of one mole of substance
 - b) The amount of substance which contains the same number of particles
 - c) An atom which has the same number of protons but different numbers of neutrons
 - d) How much of a substance reacts
2. One mole contains _____ atoms.
 - a) 6.02×10^{20}
 - b) 6.02×10^{21}
 - c) 6.02×10^{22}
 - d) 6.02×10^{23}
3. One mole is the equivalent to _____ g of carbon.
 - a) 1
 - b) 6
 - c) 12
 - d) 24
4. The unit for the mole is...
 - a) grams (g)
 - b) atomic mass units
 - c) grams per mol (g mol^{-1})
 - d) moles