

The Mole and Avogadro's Number

One mole of a substance contains Avogadro's Number (6.02×10^{23}) of molecules.

How many molecules are in the quantities below?

1. 2.0 moles

2. 1.5 moles

3. 0.75 mole

4. 15 moles

5. 0.35 mole

How many moles are in the number of molecules below?

6. 6.02×10^{23}

7. 1.204×10^{24}

8. 1.5×10^{20}

9. 3.4×10^{26}

10. 7.5×10^{19}

Gram Formula Mass

Determine the gram formula mass (the mass of one mole) of each compound below.






























