

Name - _____

Start time - __ : __

End time - __ : __

Fill in the blanks with the correct terms.

1. The molar mass of a substance is the mass of _____ mole(s) of that substance.
2. One mole of any substance contains _____ particles.
3. The mole concept is based on the number of _____ in 1 mole of carbon-12.
4. The mole is used to measure the _____ of a substance.

Perform the following mole calculations.

1. Calculate the number of moles in 24 grams of magnesium (Mg).

2. Calculate the molar mass of carbon dioxide (CO₂).

Explain why the mole concept is important in chemistry.

a b c d e f g h i j k l m n o p q r s t u v w x y z