

Molarity (M)

What is the molarity of a solution that contains 25.0g of NaCl in 1.00 L of solution?

0.434M

0.109M

0.000794M

0.02M

Molarity (M) is moles per volume of solution.

Molarity (m) is moles per kilograms of solvent.

Molarity (M)

Assume you add 5.0g of ethylene glycol, $\text{HOCH}_2\text{CH}_2\text{OH}$, as an antifreeze to 4.0g of water in the volume of your car. What is the molarity of solute?

4.0m

.50m

1.25m

.25m

Molarity of a solution changes with temperature.

Due to expanding the solution.

Molarity does not change with temperature.

Mass does not change with temperature change.

Molarity is not of choice over range of temperature.