

Molarity (M)

- expresses _____
- $M =$ _____
- _____, _____, _____, and _____ all represent the same ratio.

Ex #1. A saline solution contains _____ g of NaCl per _____ mL of solution. What is its molarity?

$$M = \text{_____}$$

Ex. #2 How many moles of solute are contained in _____ L of _____ M CaCl_2 ?

Colligative Properties

- Any of the _____ of a _____ that change when the _____ of the _____ changes.
- Depend on the _____ of _____ dissolved in a given _____ of _____
- Examples of Colligative Properties:
 - a. Vapor _____ Depression
 - the _____ of the _____ of a liquid that occurs when substances are _____ in the _____.
 - Vapor Pressure: the _____ of a _____ in _____ with its _____
 - b. Freezing _____ Depression
 - the _____ of the _____ of a liquid that occurs when substances are _____ in the _____.
 - (ex. using _____ in car radiators and _____ on icy roads)
 - c. Boiling _____ Elevation
 - the _____ of the _____ of a liquid that occurs when substances are _____ in the _____.
 - boiling occurs when _____ equals _____.
 - (ex. _____ in a car acts as a coolant in the summer.)
- More Examples of Colligative Properties:
_____, _____, _____

The Chemistry Quiz

CR1. _____ CR2. _____

1. _____ 2. _____ 3. _____ 4. _____ 5. _____