Lesson 125: Molarity Notes

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 = _____

Ex #2 How many moles of solute are contained in _____L of _____M $CaCl_2$?

Lesson 125: Molarity Notes (cont.)

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:
    - Vapor _____ Depression
        - The _____ of the _____ _____ of a liquid that occurs when substances are _____ in the _____
        - Vapor Pressure: the _____ of a _____ in _____ with its _____
    - Freezing _____ Depression
        - the _____ of the _____ _____ of a liquid that occurs when substances are _____ in the _____ (ex. using _____ in car radiators and _____ on icy roads)
    - 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. _____