

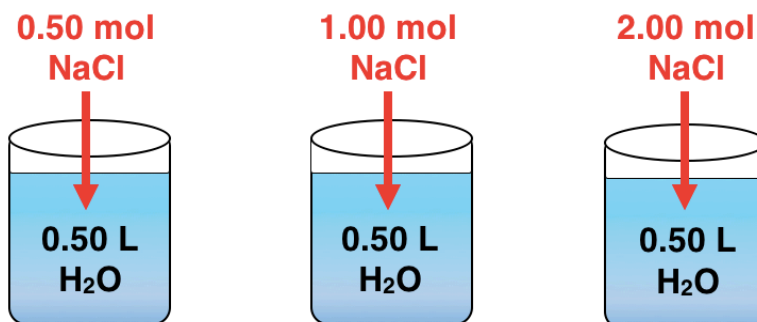
Molarity Ranking Tasks

Apprentice Difficulty Level

Question Group 1

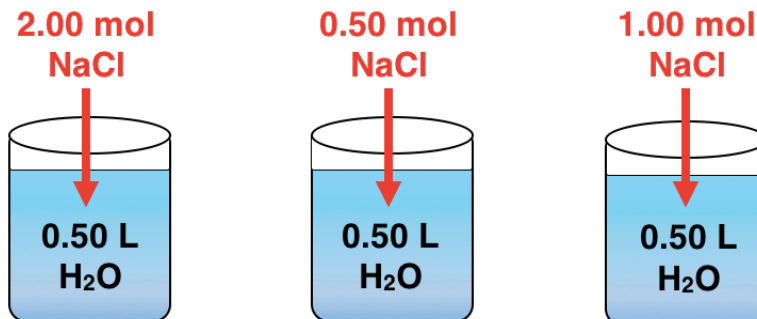
Question 1

Three aqueous solutions are made by mixing varying amounts of solute (NaCl) in the same volume of water. Rank the solutions according to their molarity (M).



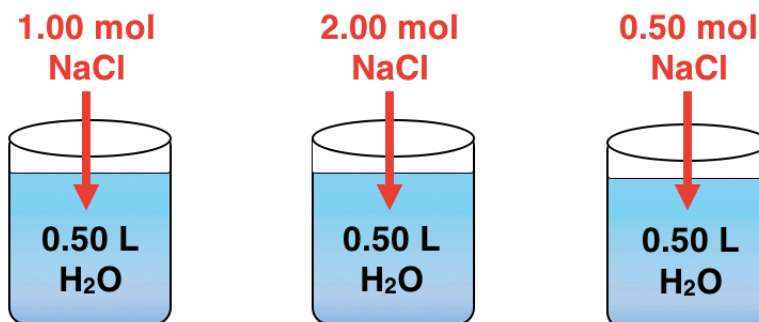
Question 2

Three aqueous solutions are made by mixing varying amounts of solute (NaCl) in the same volume of water. Rank the solutions according to their molarity (M).



Question 3

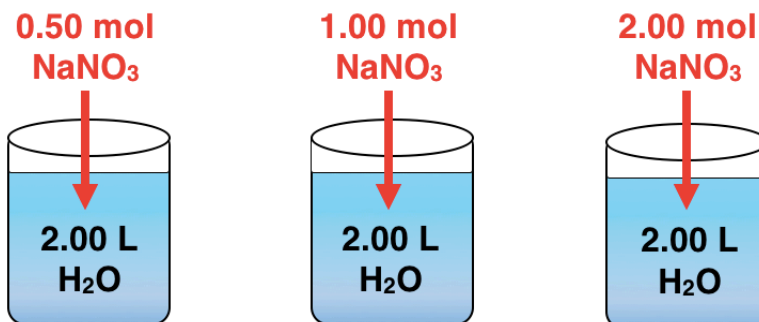
Three aqueous solutions are made by mixing varying amounts of solute (NaCl) in the same volume of water. Rank the solutions according to their molarity (M).



Question Group 2

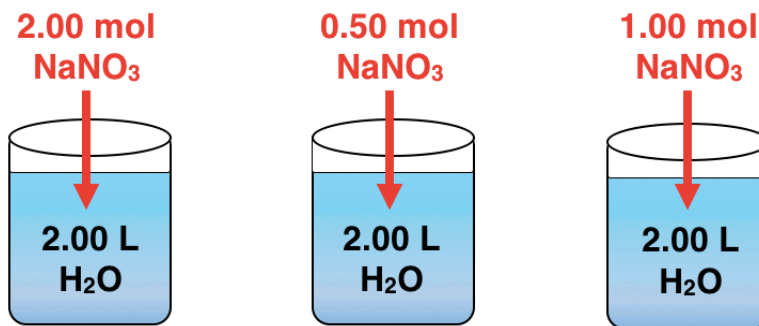
Question 4

Three aqueous solutions are made by mixing varying amounts of solute (NaNO_3) in the same volume of water. Rank the solutions according to their molarity (M).



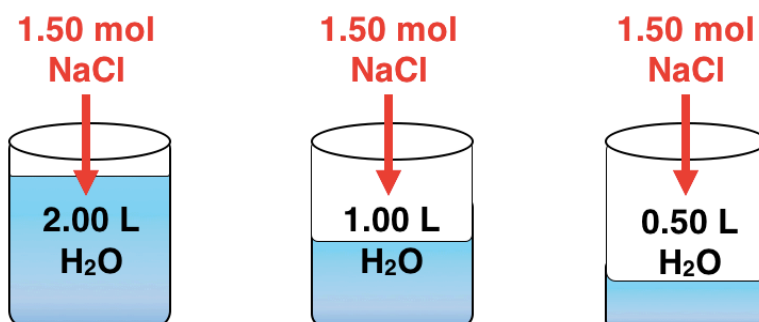
Question 5

Three aqueous solutions are made by mixing varying amounts of solute (NaNO_3) in the same volume of water. Rank the solutions according to their molarity (M).



Question 6

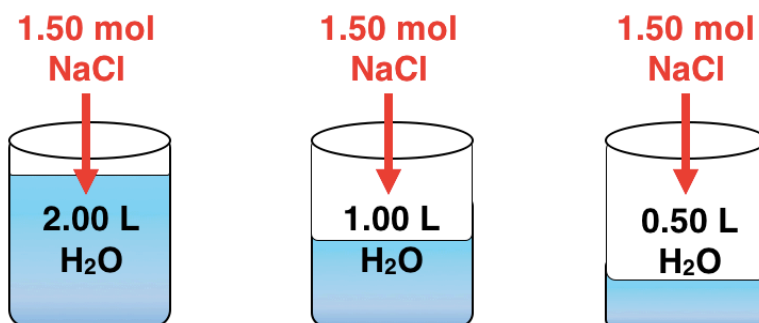
Three aqueous solutions are made by mixing varying amounts of solute (NaNO_3) in the same volume of water. Rank the solutions according to their molarity (M).



Question Group 3

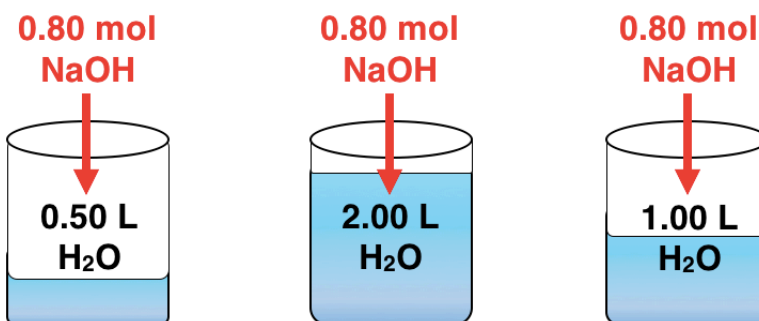
Question 7

Three aqueous solutions are made by mixing the same amount of solute (NaCl) in the varying volumes of water. Rank the solutions according to their molarity (M).



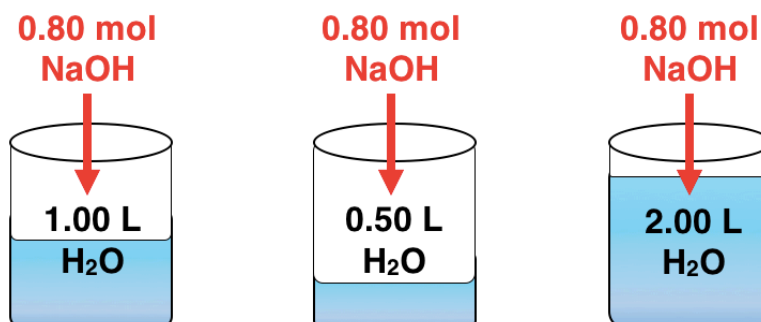
Question 8

Three aqueous solutions are made by mixing the same amount of solute (NaCl) in the varying volumes of water. Rank the solutions according to their molarity (M).

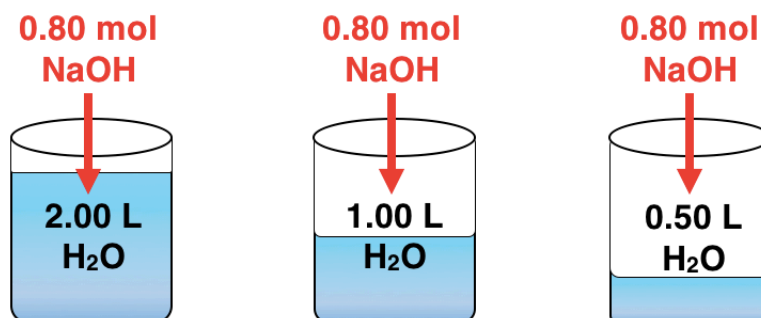


Question 9

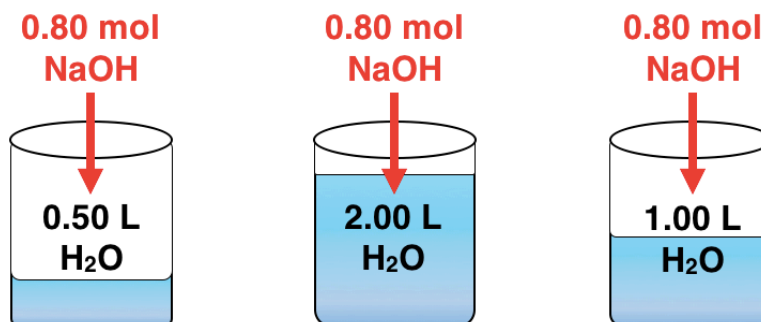
Three aqueous solutions are made by mixing the same amount of solute (NaCl) in the varying volumes of water. Rank the solutions according to their molarity (M).

**Question Group 4****Question 10**

Three aqueous solutions are made by mixing the same amount of solute (NaOH) in the varying volumes of water. Rank the solutions according to their molarity (M).

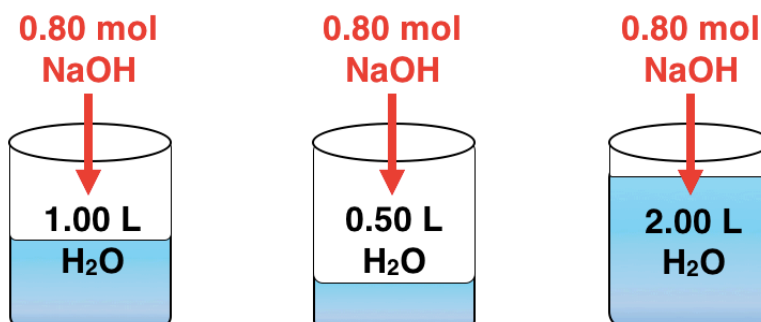
**Question 11**

Three aqueous solutions are made by mixing the same amount of solute (NaOH) in the varying volumes of water. Rank the solutions according to their molarity (M).

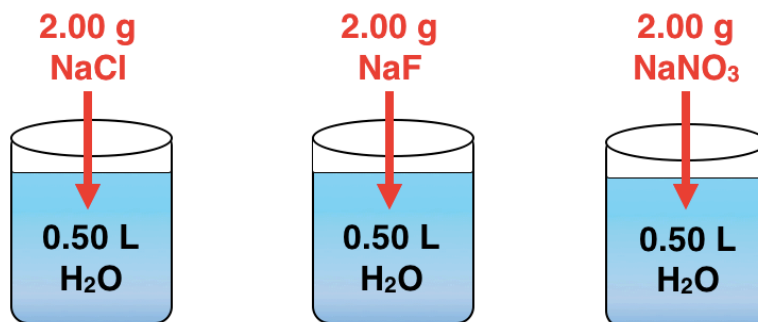


Question 12

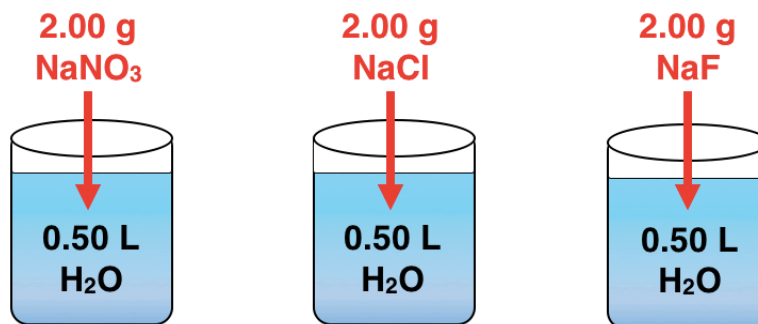
Three aqueous solutions are made by mixing the same amount of solute (NaOH) in the varying volumes of water. Rank the solutions according to their molarity (M).

**Master Difficulty Level****Question Group 5****Question 13**

Three aqueous solutions are made by mixing the same mass of varying solutes in the same volume of water. Rank the solutions according to their molarity (M).

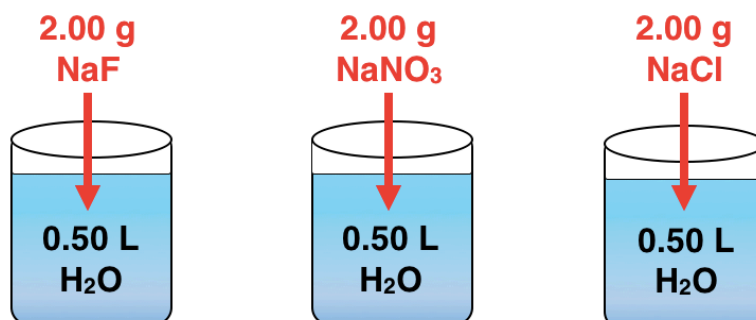
**Question 14**

Three aqueous solutions are made by mixing the same mass of varying solutes in the same volume of water. Rank the solutions according to their molarity (M).

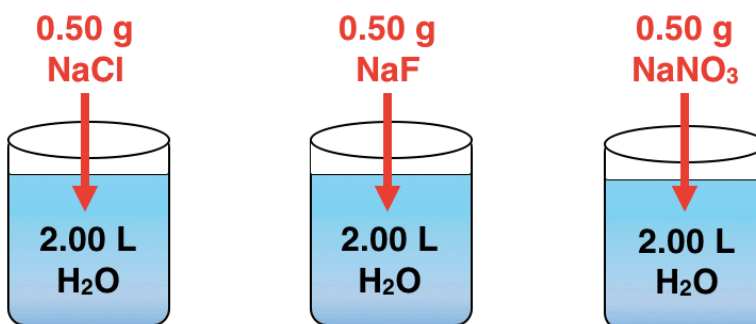


Question 15

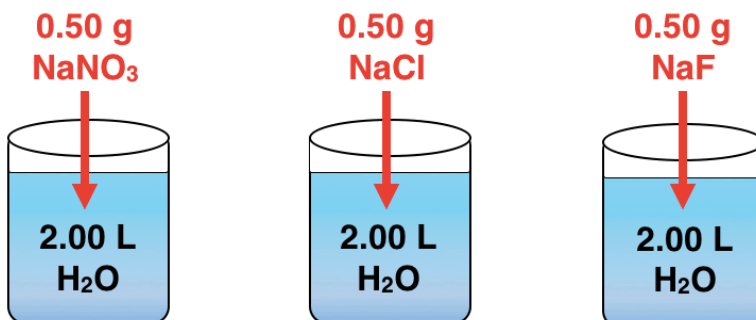
Three aqueous solutions are made by mixing the same mass of varying solutes in the same volume of water. Rank the solutions according to their molarity (M).

**Question Group 6****Question 16**

Three aqueous solutions are made by mixing the same mass of varying solutes in the same volume of water. Rank the solutions according to their molarity (M).

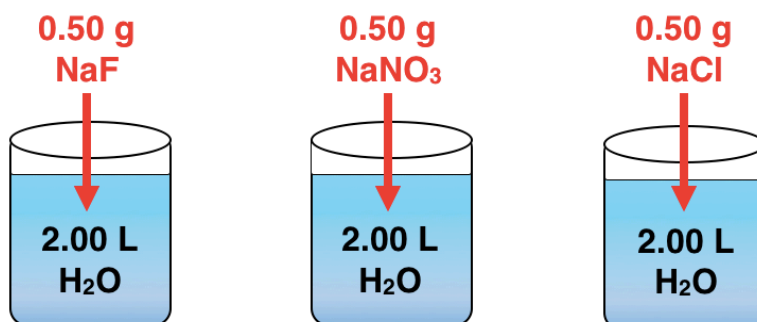
**Question 17**

Three aqueous solutions are made by mixing the same mass of varying solutes in the same volume of water. Rank the solutions according to their molarity (M).

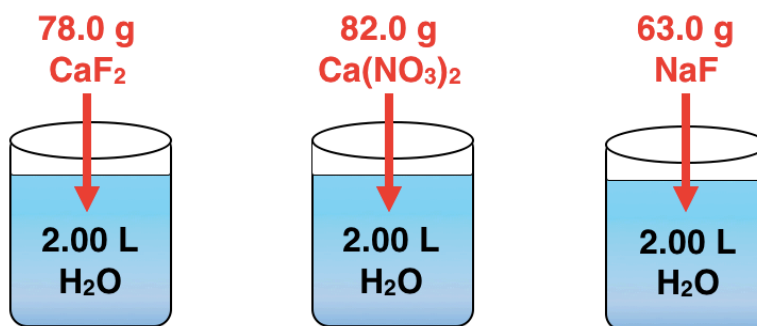


Question 18

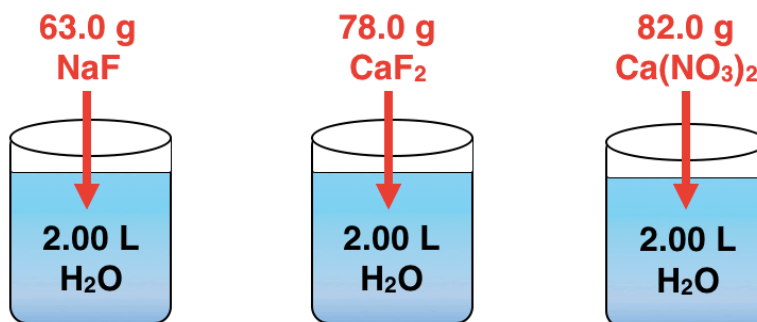
Three aqueous solutions are made by mixing the same mass of three different solutes in the same volume of water. Rank the solutions according to their molarity (M).

**Question Group 7****Question 19**

Three aqueous solutions are made by mixing a different mass of varying solutes in the same volume of water. Rank the solutions according to their molarity (M).

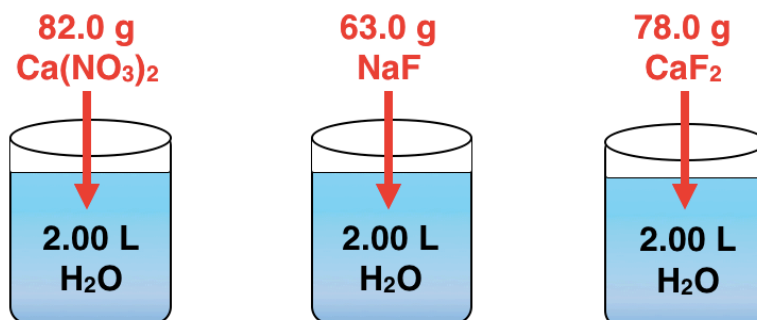
**Question 20**

Three aqueous solutions are made by mixing a different mass of varying solutes in the same volume of water. Rank the solutions according to their molarity (M).



Question 21

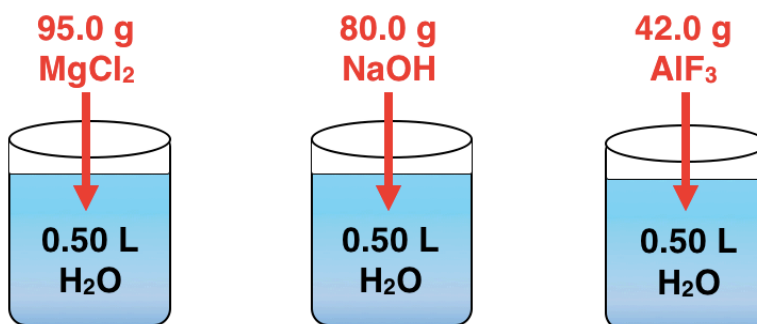
Three aqueous solutions are made by mixing a different mass of varying solutes in the same volume of water. Rank the solutions according to their molarity (M).



Question Group 8

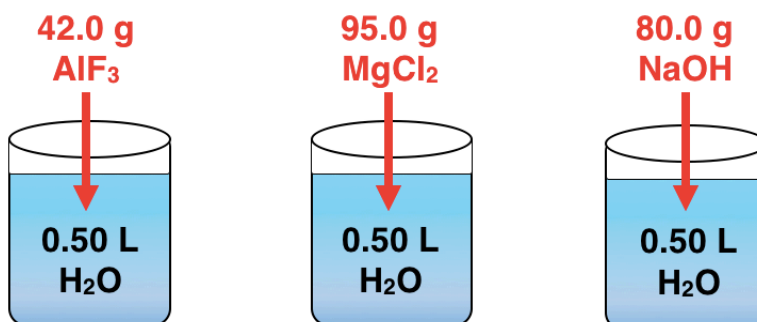
Question 22

Three aqueous solutions are made by mixing a different mass of varying solutes in the same volume of water. Rank the solutions according to their molarity (M).



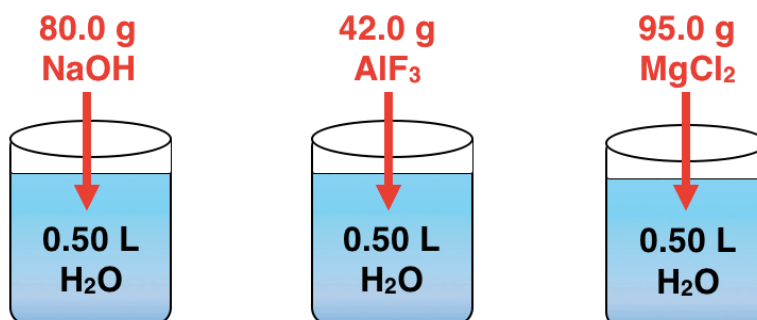
Question 23

Three aqueous solutions are made by mixing a different mass of varying solutes in the same volume of water. Rank the solutions according to their molarity (M).



Question 24

Three aqueous solutions are made by mixing a different mass of varying solutes in the same volume of water. Rank the solutions according to their molarity (M).

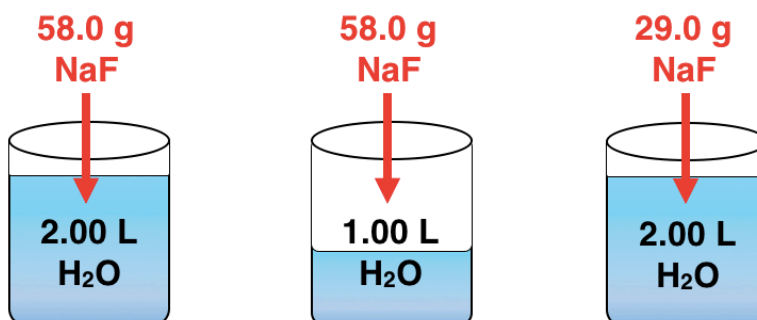


Wizard Difficulty Level

Question Group 9

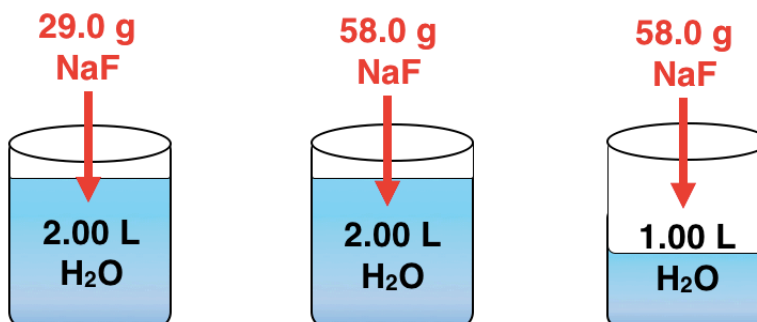
Question 25

Three aqueous solutions are made by mixing varying masses of the same solute in varying amounts of water. Rank the solutions according to their molarity (M).



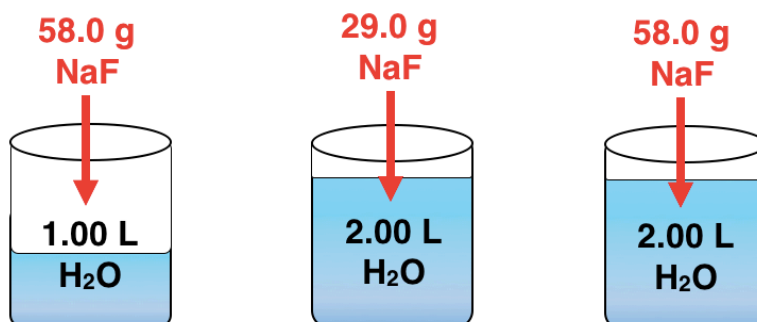
Question 26

Three aqueous solutions are made by mixing varying masses of the same solute in varying amounts of water. Rank the solutions according to their molarity (M).

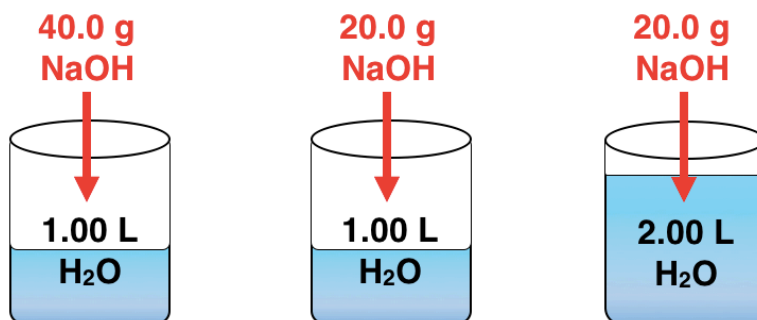


Question 27

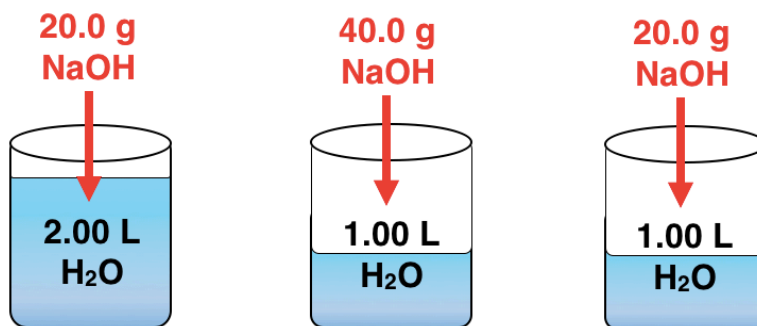
Three aqueous solutions are made by mixing varying masses of the same solute in varying amounts of water. Rank the solutions according to their molarity (M).

**Question Group 10****Question 28**

Three aqueous solutions are made by mixing varying masses of the same solute in varying amounts of water. Rank the solutions according to their molarity (M).

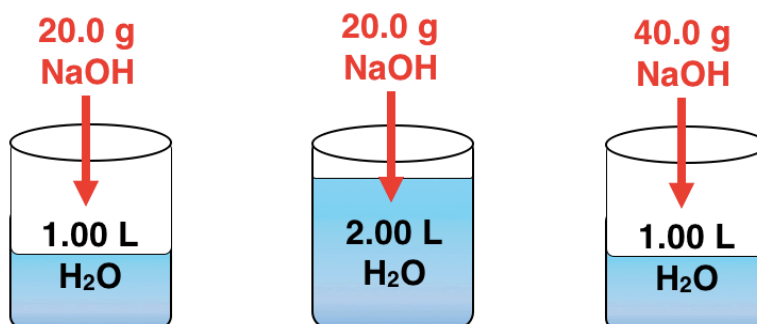
**Question 29**

Three aqueous solutions are made by mixing varying masses of the same solute in varying amounts of water. Rank the solutions according to their molarity (M).

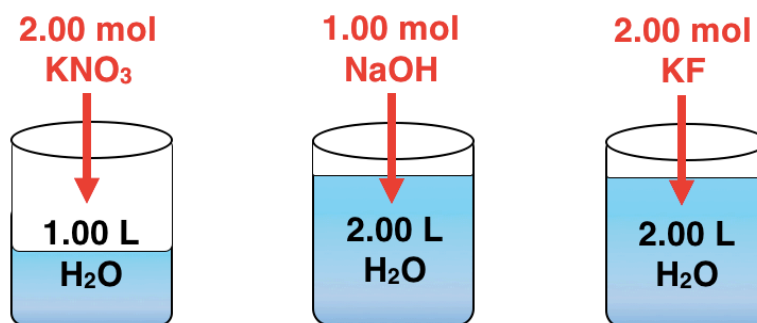


Question 30

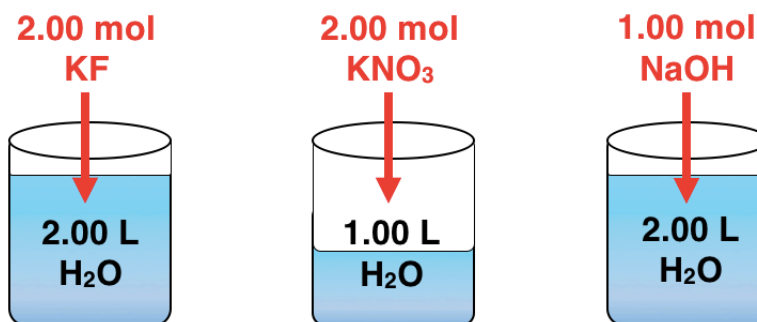
Three aqueous solutions are made by mixing varying masses of the same solute in varying amounts of water. Rank the solutions according to their molarity (M).

**Question Group 11****Question 31**

Three aqueous solutions are made by mixing a varying number of moles of different solutes in varying amounts of water. Rank the solutions according to their molarity (M).

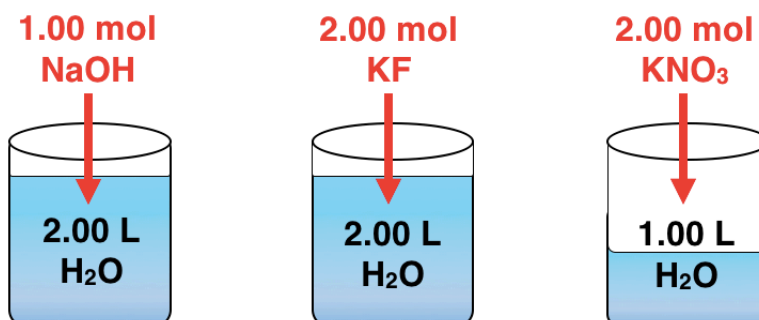
**Question 32**

Three aqueous solutions are made by mixing a varying number of moles of different solutes in varying amounts of water. Rank the solutions according to their molarity (M).

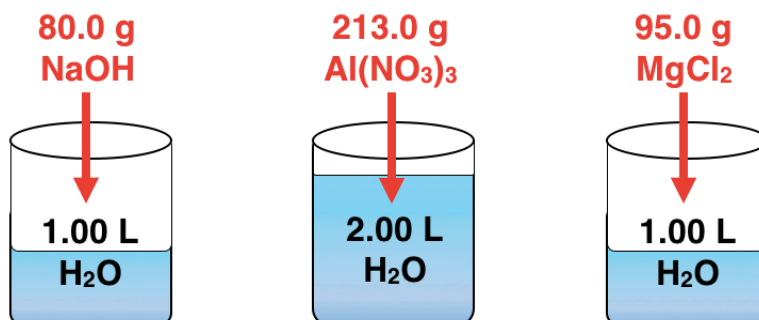


Question 33

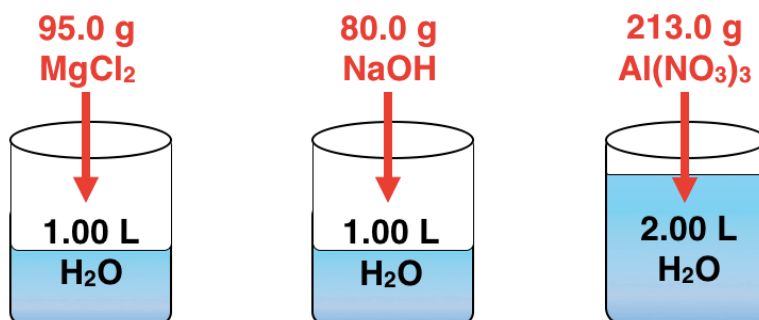
Three aqueous solutions are made by mixing a varying number of moles of different solutes in varying amounts of water. Rank the solutions according to their molarity (M).

**Question Group 12****Question 34**

Three aqueous solutions are made by mixing a varying masses of different solutes in varying amounts of water. Rank the solutions according to their molarity (M).

**Question 35**

Three aqueous solutions are made by mixing a varying masses of different solutes in varying amounts of water. Rank the solutions according to their molarity (M).



Question 36

Three aqueous solutions are made by mixing a varying masses of different solutes in varying amounts of water. Rank the solutions according to their molarity (M).

