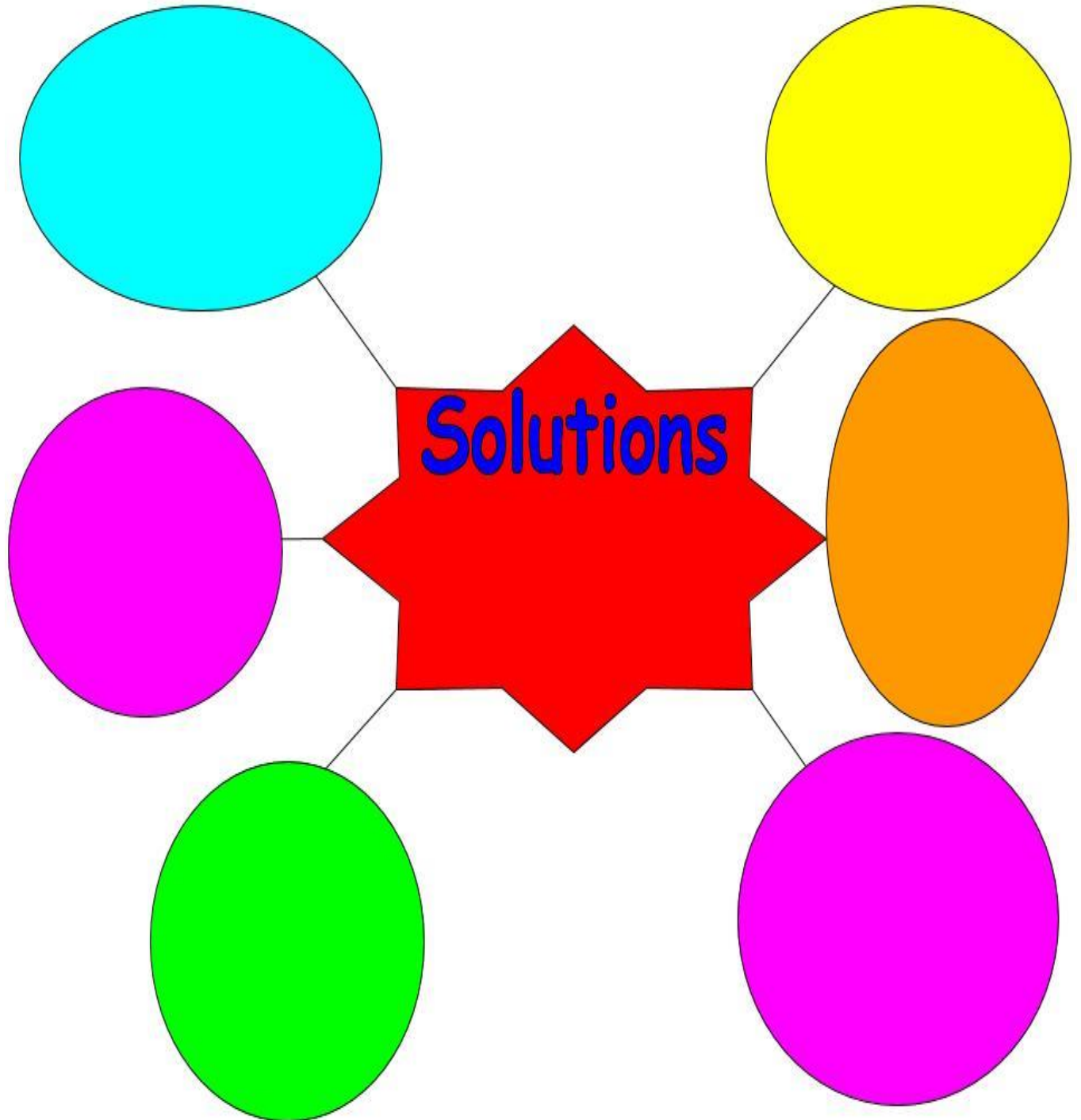


## Chapters 13 and 14

1. Warm-up: Word web. Fill in the web using terms and ideas related to solutions, describe each term stated.



Chapter 13:

Term	Definition	Visual
Molarity		
Molality		
Dilution		
Osmosis		

Osmotic Pressure		
Mass Percent		
Colligative Properties		

2. What is the mass percent of a solution prepared by dissolving 3000 mg of NaOH in 50 grams of water?

3. What is the molarity of a 20 L solution that contains 45 grams of dissolved solute?

4. What is the molality of a solution prepared when 80.0ml of a 5.0 M KCl solution is diluted to a volume of 0.600 L?

5. What is the freezing point of a solution prepared by adding 265.0g of copper (II) Sulfate Pentahydrate to 5.00 L of water?

6. Calculate the boiling point of a 5.32 M solution of sucrose in water.

Chapter 14:

Term	Definition	Visual

Acids		
Bases		
Conjugate base		
Conjugate acid		
Amphiprotic		
Neutralization		
Titration		