Solutions

Label the pictures with the correct words in the box.

1. _____ 2. _____ 3. _____

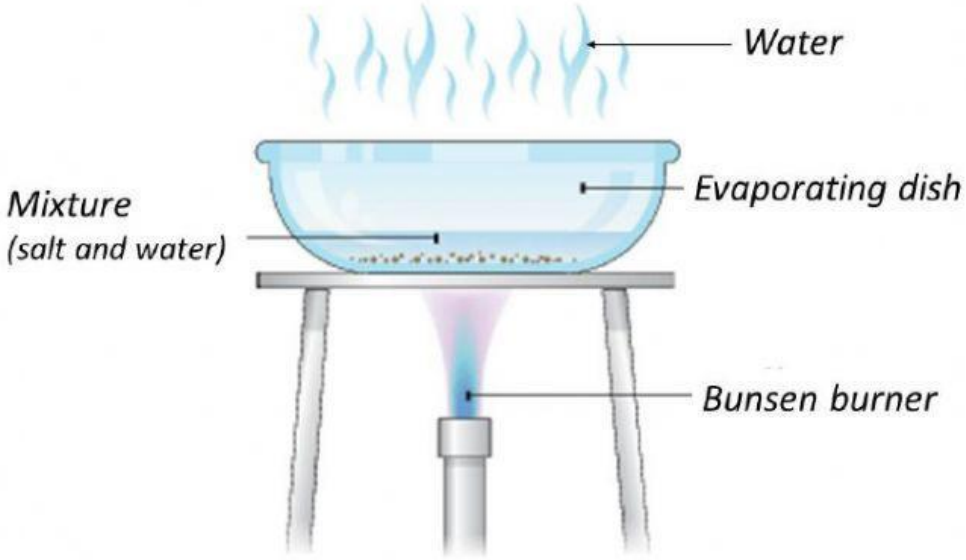
solution	solute	solvent

Complete the sentences using the words in the box (one word can use for than once).

1. A solute and a solvent make a _____.
2. Salt is the _____ in saltwater.
3. Water is the _____ in saltwater.
4. Different mineral salts and water make a _____.
5. Different mineral salts are the _____ in mineral water.
6. Water is the _____ in mineral water.
7. Sugar, flavorings, and water make a _____.
8. Sugar and flavorings are the _____ in coca cola.
9. Water is the _____ in coca cola.

solution	solute	solvent

LIVEWORKSHEETS



1. Salt solution can be separated by _____.
2. It cannot be separated by _____ because solid particles are _____ enough to pass through the pores of filter paper.
3. Therefore, it is separated through evaporation. First, _____ the solution, _____ will evaporate, _____ will be left behind.
4. There are three factors affecting how quickly a solid dissolve in water:

   _____

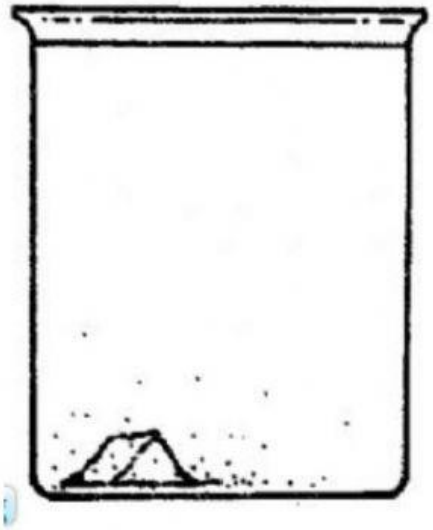
   _____

   _____

If the statement is true, write true. If the statement is false, write false.

1. Stirring a solution will make the solute dissolve faster.
2. When the temperature of a liquid increases, a solid solute dissolves slower.
3. When the size of a solute increases, it dissolves faster.
4. Solutions form when a solute dissolves in a solvent.
5. A sugar cube dissolves faster in a glass of cold water than in a glass of hot water.

LIVEWORKSHEETS



1. Is the solid at the bottom of the beaker completely dissolved?

2. What would happen if the beaker and its contents were heated?

3. Why would stirring the water cause the solute to dissolve faster? This is because stirring would bring fresh solute solvent in contact with the particles. This would have _____.

4. What effect would be crushing the solute have on the rate at which it dissolves?

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