

Chapter 6 : Mixtures and Solutions

 Section 1 : Types of Mixtures

Home work (1)

Grade 11 General

Date: / 4 / 2020

Al Dhaher School Cycle 3

\*Answer the following questions:

**1-Distinguish** between suspensions and colloids .

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|  | **Suspensions** | **Colloid** |
| **Type of mixture** |  |  |
| **Particle size** |  |  |
| **Tyndall effect** |  |  |

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**2-Explain** : Why do dispersed colloid particles stay dispersed ?

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**3-Summarize**: What causes Brownian motion ?

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4-What is the difference between a **solute** and a **solvent** ?

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5-How can the **Tyndall effect** be used to distinguish between a **colloid** and a **solution** ? Why ?

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**6-Name** a colloid formed from a gas dispersed in a liquid?

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7-What causes the **Brownian motion** observed in liquid colloids

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**8-Choose the correct** answer or supplement for each of the following:

1. Colored gemstones are classified from the colloid mixture:

a. Solid – Solid b. emulsion

c. Solid foam d. Solid aerobic aerosols

2. Which of the following is an emulsion:

a. Blood b. Milk

c. Cheese d. Gelatin

3. The material that dissolves is called:

a. Solute b. Solvent

c. Concentrated d. Diluted

4. The solubility of dissolved particles on light dispersion is known as:

a. Rhyming b. Heating

c. Filtrating d. Tyndall

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**9- Vinegar solution** is used in some of the foods we eat, specify the solvent and solubility, and the physical state of each in the vinegar solution.

• The **solvent** is .................... and its **physical state** ....................

 **Solubility** is .................... and its **physical state** ………….........

****