

## **Mix and Flow of Matter**

### **Topic 2 - Mixing and Dissolving Practice Quiz**

1. Milk is a substance that is fairly common. It should be classified as ...

**element**

**compound**

**homogenous**

**heterogenous**

2. A rock like material appears to be one color - at a distance - but, upon careful examination, it has many different colors. It should be classified as ...

**element**

**compound**

**homogenous**

**heterogenous**

3. Homogenization helps the fat globules in milk stay dispersed longer than suspended particles. If a solution has particles which do not settle out, it is called a ...

**phase mixture**

**emulsion**

**coagulant**

**colloid**

4. When a substance, such as sugar, dissolves in water, the particles intermingle. This is possible because the particles of sugar ...

**are pure**

**have strong attractions to each other**

**have spaces between them**

**are vaporized**

5. Dissolving can be affected by a number of factors including all of the following, EXCEPT ...

**temperature**

**agitation**

**pressure**

**volume**

**Check your  
Answers**

## Mix and Flow of Matter

### Topic 2 - Mixing and Dissolving Practice Quiz (Answers)

1. Milk is a substance that is fairly common. It should be classified as ...

element

compound

homogenous

(Text p. 13) Milk is a solution which appears to be one substance, so it is homogeneous

heterogenous

2. A rock like material appears to be one color - at a distance - but, upon careful examination, it has many different colors. It should be classified as ...

element

compound

homogenous

heterogenous

(Text p. 14) Figure 1.6 The rock is a heterogeneous mixture, because you can see more than one part of the mixture.

3. Homogenization helps the fat globules in milk stay dispersed longer than suspended particles. If a solution has particles which do not settle out, it is called a ...

phase mixture

emulsion

coagulant

colloid

(Text p. 15) A heterogeneous mixture in which the particles do not settle is called a colloid.

4. When a substance, such as sugar, dissolves in water, the particles intermingle. This is possible because the particles of sugar ...

- are pure**
- have strong attractions to each other**

**have spaces between them**

**(Text p. 17) The attractive forces of the water are stronger, so the particles of water can fill the spaces between the particles of sugar.**

- are vaporized**

5. Dissolving can be affected by a number of factors including all of the following, EXCEPT ...

- temperature**
- agitation**
- pressure**

**volume**

**(Text p. 19) The factors that affect the rate of dissolving include all of the other answers. Volume does not affect the rate of dissolving.**