

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 ...

X element

X compound

homogenous

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

X 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 ...

X element

X compound

X 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 ...

X phase mixture

X emulsion

X coagulant

colloid

(Text p. 15) A heterogenous 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 ...

X **are pure**

X **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.

X **are vaporized**

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

X **temperature**

X **agitation**

X **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.