

H.w
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CH-5

Q1 Differentiate between pure substances and mixtures?

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Q2. Give 3 examples each of homogeneous and heterogeneous mixtures?

Q3. Explain the principle of the process of winnowing for separation of solid-solid mixture?

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Q1 Differentiate between pure substances and mixtures?

Ans Substances which have a specific composition are called pure substances

pure substances are further divided into elements and compounds. The combination of two or more pure substance is called mixture.

Q2 Give 3 examples each of homogeneous and heterogeneous mixtures

Ans ~~examples~~ examples ~~each~~ of homogeneous are alloys such as brass, bronze etc.

Water + alcohol, water + vinegar, acetone + water, oil + carbon-tetrachloride, Carbon dioxide + water ammonia + water are dissolved in water, etc.

10 Example of Heterogeneous mixtures are oil in water, petrol in water, Mist (water in air), ~~Smoke~~ Smoke, dust.

15 Q3 Explain the principle of the process of winnowing for separation of solid-solid mixture?
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Ans Take a mixture of rice and husk. When it is allowed to fall vertically down from a height, rice grains, being
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heavier, fall vertically down while
husk gets blown away by air and forms

of rice. In this way, rice is separated

~~from husk~~ The process of separation of
grain from husk and hay with the help
of wind is called winnowing