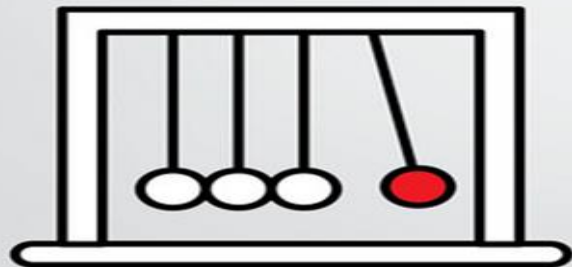
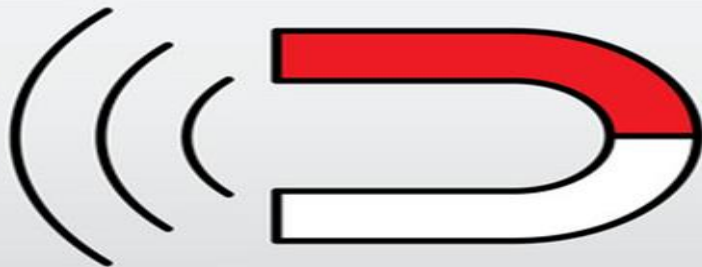
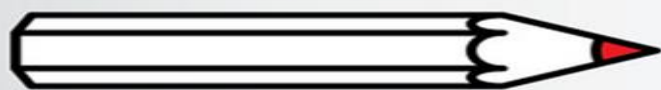


S C I E N C E



Session 36



Label the pictures.



A mixture is made up of ... or ...
different ... mixed together.

The air we breathe is a mixture of
3 main gases: o..., c ... d..., and n... .

Lead-in

Taking two lab jars

Mixing water and salt in one

Mixing water and oil in the other one

Asking “which substance can be solved in water?”

Sand +



Some solids can **dissolve** in a liquid
Like sugar and salt.
They are called "**soluble**" substances.

Sugar +



=

Sand

+



=

Sugar

+



Some solids can **dissolve** in a liquid
Like sand.
They are called "**insoluble**"
substances.

Can you separate sand from water?



Can you separate sugar from water?



Sand

+



=

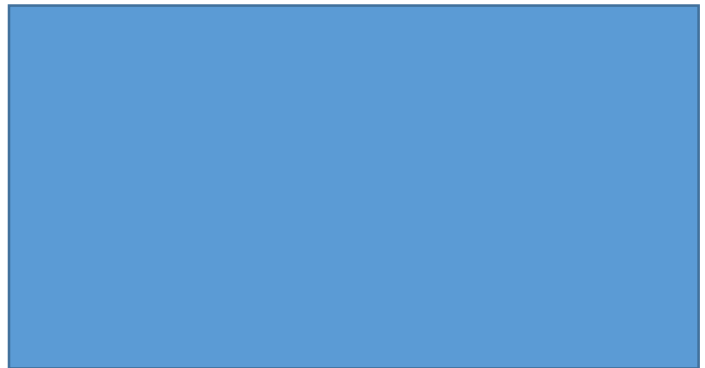


Sugar

+



=



In a heterogeneous mixture,

substances can be separated from each other.

In a homogeneous mixture,

substances **can't** be separated from each other.

In a ... mixture, substances **can't** be separated from each other.

Substances which can dissolve in a liquid are called

In a ... mixture, substances can be separated from each other.

Substances which **can't** dissolve in a liquid are called

Soluble
Homogeneous
Heterogeneous
insoluble

Label the pictures as a homogenous or heterogeneous mixture.



Determine if the following substances are soluble or insoluble:



salt



seeds



rice



flour



sugar



coffee



black pepper



sand

What does the word soluble mean?

What does the word insoluble mean?

What's a homogeneous mixture? Make an example.

What's a heterogeneous mixture? Make an example.