32 A student mixes a sample of stones with a sample of table salt. The mass and volume of the samples were determined before mixing the samples. The mass and volume of each sample is shown.

Grams (g) is weight/mass.
Milliliters (mL) is volume.

Material	Grams (g)	Milliliters (mL)
Stones	45	25
Salt	40	35

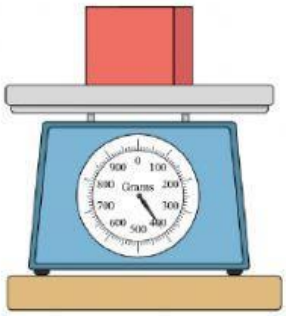
Which statement is true about the mixture?

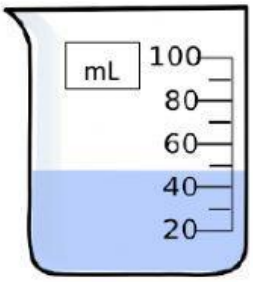
F The mass of the mixture is 85 grams.

G The mass of the mixture is 60 milliliters.

H The volume of the mixture is 60 grams.

J The volume of the mixture is 85 milliliters.





The table lists the ingredients of five different mixtures.

Mixtures and Their Ingredients

Mixture	Ingredients
1	Salt, hot water, sand
2	Sugar, hot water, salt
3	Iron filings and sand
4	Pebbles, wood chips, soil
5	Powdered soap and hot water

In which mixtures do all the ingredients maintain their physical state?

A Mixtures 3 and 4 only

B Mixtures 1, 3, and 4

C Mixtures 1, 2, and 5

D Mixtures 2 and 5 only

Which one's will NOT change when mixed

Think of a mixture



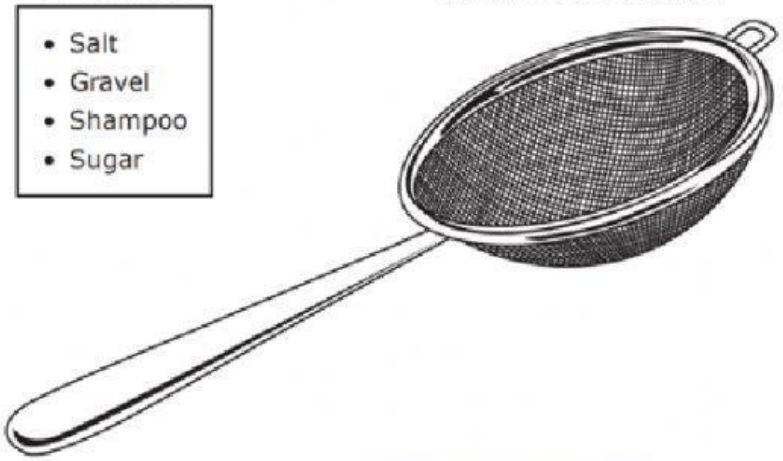
LIVEWORKSHEETS

35 A student stirs 15 grams of each substance listed below into 200 milliliters of water to form four different mixtures. The student then tries to separate the water from each mixture by pouring the mixture through a kitchen tea strainer.

Substances

- Salt
- Gravel
- Shampoo
- Sugar

Kitchen Tea Strainer



Which mixture can the student separate most easily with the strainer?

A Salt and water

B Gravel and water

C Shampoo and water

D Sugar and water

A strainer is used to separated **big** object from another

27 A group of students is given four small cubes of the same size and instructed to place them in a beaker of water. One cube floats to the surface of the water. Two of the cubes float in the middle of the beaker under the surface of the water. The last cube sinks to the bottom of the beaker.

Which conclusion is best supported by what the students observed?

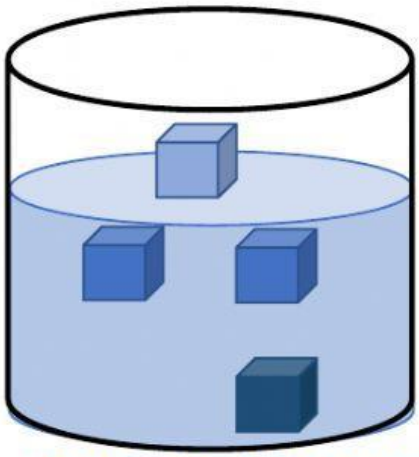
A Two of the four cubes are soluble in water.

B All four cubes have different masses.

C Each cube is made of a different type of solid material.

D One of the cubes is more dense than the other three.

Sink or float means De___y.
Read the question carefully.



LIVEWORKSHEETS

1 Two wires carrying electricity can create a spark if they come too close together. This spark can start a fire. Wires carrying electricity are usually covered with plastic to keep them from starting a fire. Why does the plastic keep the electricity from starting a fire?

A Plastic is a good insulator.

B Plastic can melt when heated.

C Plastic is softer than wire.

D Plastic conducts electricity.

An I_____ stops the flow of heat/electricity.
Think "this keeps me safe"



42 Some people add sugar to their hot tea. Which property of the sugar remains the same when the sugar is in the tea solution?

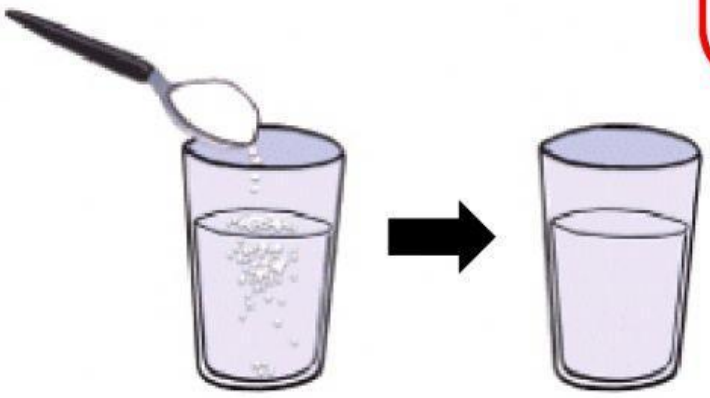
F The taste of the sugar

G The size of the sugar crystals

H The color of the sugar

J The texture of the sugar

A solution means it cannot be removed easily (Kool-aid).
SO, when the sugar is all 'gone' how do we know it is still there?



LIVEWORKSHEETS