



End of Unit Quiz - Materials - Year 5/6 - Spring 2022

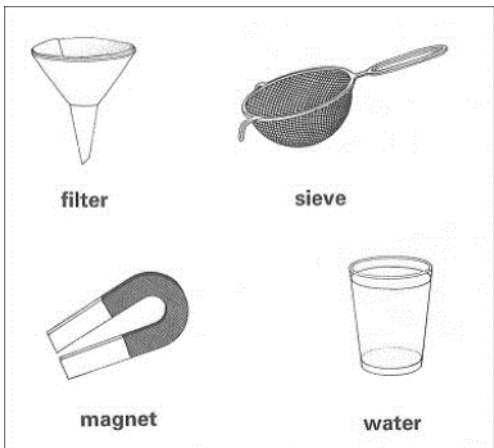
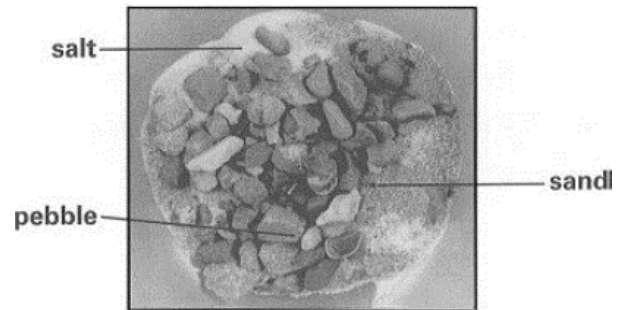
1. Earlier in the term we made some crystals from salty water. We mixed salt into water, the salt became invisible - this is because it had _____ . We knew this had happened because the water was _____ (we could see through it). We kept mixing the salt in until no more salt would mix in and sank to the bottom to create a _____ . The solution was now _____

After a few days we could see salt crystals forming on the cotton and jar. This is because this change to the salt is _____ .

(saturated - reversible - dissolved - sediment - transparent)



2. Jack has a dry mixture of pebbles, salt and sand.



He has these four pieces of equipment to help him separate the mixture.

Which piece of equipment from the box above should Jack use to separate the pebbles from his mixture? _____

Which TWO pieces of equipment from the box should he use to separate the salt from the sand?

..... and

Explain what he should do.



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3. Hayley has four different white solids. Her teacher asks her to find out what the solids are. Hayley mixes a teaspoon of each solid into different beakers of water. She records her observations in Table 1.

What happened to the solids C & B?

Solid	Observation after mixing with water
A	Most solid floats on top of the water. The solid turns the water misty.
B	The solid cannot be seen. The liquid is clear.
C	The solid cannot be seen. The liquid is clear.
D	Some solid sinks to the bottom. The solid turns the water cloudy.

Hayley tries to separate a mixture of solids A and D using a sieve. Hayley records her observations in Table 2.

Why does A stay in the sieve and D go through?

Solid	Observation after sieving
A	The solid stays in the sieve.
D	The solid goes through the sieve.

Next Hayley puts a teaspoon of solid B into a beaker of vinegar and a teaspoon of solid C into another beaker of vinegar. She records her observations in Table 3.

Which solid has an irreversible change when mixed with vinegar?

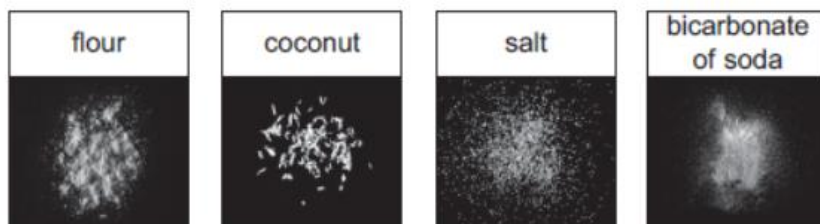
Tick ONE box. Solid B Solid C

What is the evidence that this is an irreversible change?

Solid	Observation after mixing with vinegar
B	The solid cannot be seen. The liquid is clear.
C	The mixture bubbles and fizzes.

Hayley has been told what the four solids are.

Using the information from Hayley's tables can you match the solids to the correct letter. Draw a line to the correct letter.



A

B

C

D