



Year 5 Science Investigation

**Properties and change of
materials**

Equipment Required

- Salt
- Sand
- Paper Clips
- Magnets
- Beakers
- Filter Papers
- Bunsen Burner
- Bi-carbonate of soda
- Vinegar



Separating Materials

Y5 Science Investigation

To find out if different mixtures required different processes to separate them.



Separating Materials

We want to find out how to separate a mixture of salt, sand, paperclips.

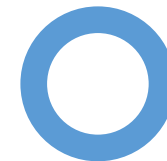
We also want to see if we can separate bi-carbonate of soda from vinegar once they have been mixed.

Try to think how we can find out.

Talk with your friends and see if you can come up with an idea.

Your ideas.

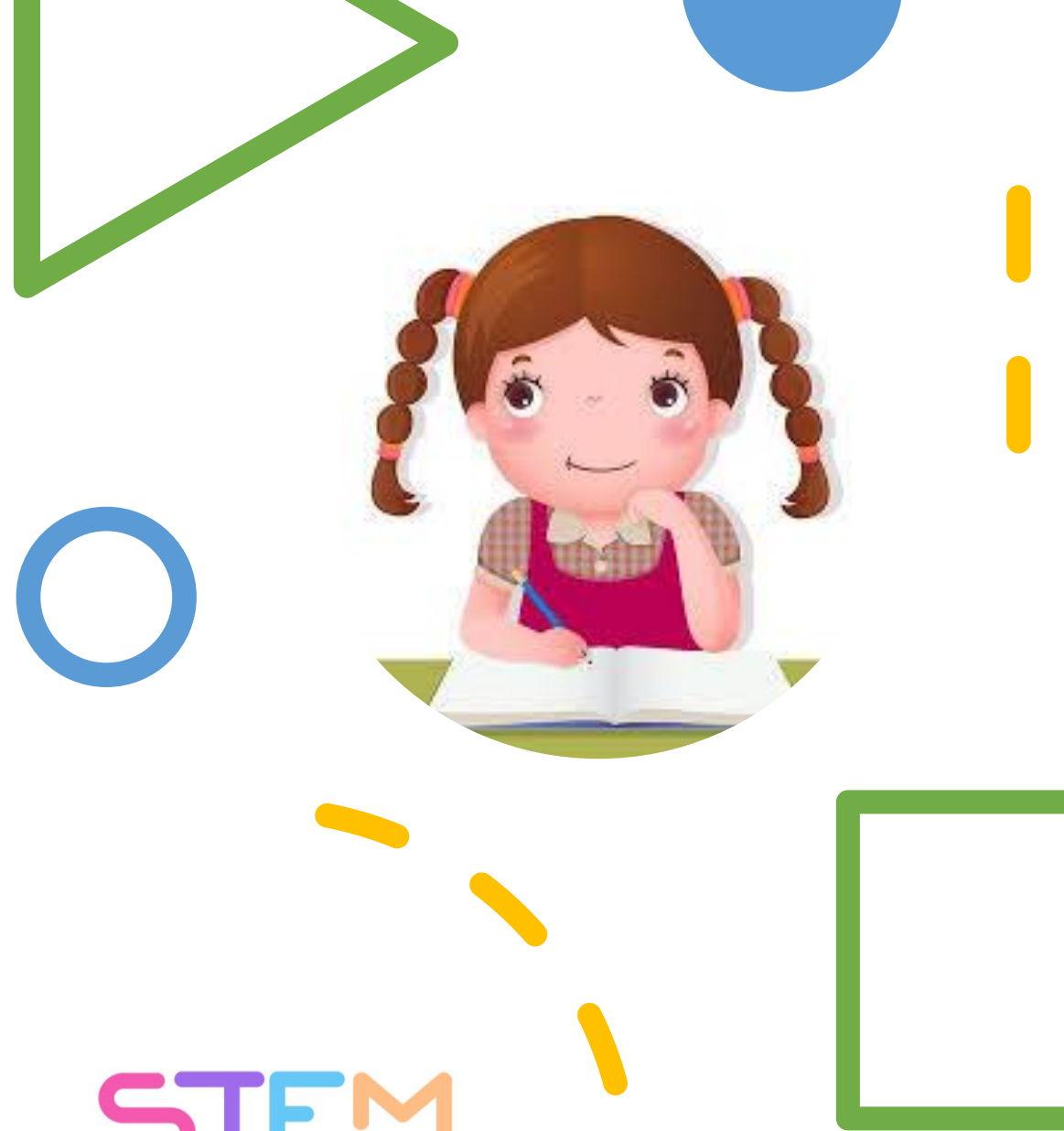
Tell the rest of the class your idea for your investigation and decide who in the class has the best idea.



Separating Materials

Make a prediction

I think that the best way to separate salt, sand and paper clips will be:



Separating Materials

Doing the experiment:

- You will be given a mixture of salt, sand and paper clips and have to separate them.
- You can use magnets, beakers, filter papers and Bunsen burner.
- You are to mix bi-carbonate of soda with vinegar. Once they have been mixed try to get the two substances back.



Separating Materials

Questions you need to answer

Can all mixtures be separated? If not, why not?



Separating Materials

What now?

Make a list of reversible and irreversible changes.

STEM
GENERATION CHARITY

