

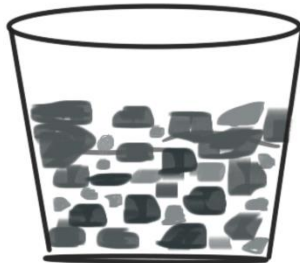


Heavy or light?



You will need:

- 3 same-sized bowls/cups
- Water
- Some stones
- Some pieces of old paper



What to do...

- Fill one cup/bowl with water to the $\frac{3}{4}$ th mark
- Fill the other two; one with stones and the last one with pieces of old paper to the $\frac{3}{4}$ th mark.
- Now pick each one up and note down which one was the heaviest and the lightest.

Although all three cups/bowls are filled to the same level, they all have different weights. Just like different materials bounced differently, different materials also have different weights even if they occupy the exact same space.

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