

# Keyword Taboo

Choose whether you are Person 1 or Person 2. **Only open the flap for the one that you have decided to be.** You must explain to your partner the words that are under your flap. Your partner must guess each time. After, swap around.

Person 1	Person 2
Solution	Element
Solute	Fractionating Column
Solvent	Chromatography
Compound	Soluble

# Energy

1. In pairs, discuss the sequence of energy types and transfers that take place between the sun and someone jumping up and down. When you have agreed. Write this down in your books.
2. Explain, using the words “volume” and “mass”, why 100g of salt is more dense than 100g of water. Write this down.



# Digestion

- Explain in your pair, the journey that a hamburger takes as it travels from your mouth to your anus.
- Draw a flow chart in your books and label where enzymes have helped digest it and where absorption has occurred.

Draw a graph from the following table of results about the time taken for ice-cream to melt when different temperatures of chocolate sauce are poured on it

- Don't forget labels and units!

Temperature of chocolate sauce (degrees Celsius)	Time taken for ice cream to melt (seconds)
15	60
20	50
25	40
30	30
35	20
40	10
45	0

# Chromatography

- Draw a sketch of an imaginary chromatography experiment:

Your diagram must show:

- There are three original dyes (brown, red and blue) placed on the pencil line
- The brown contains 3 different colours
- The red is the most soluble
- The blue contains one of the same colours as red

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Person 1	Person 2
Upthrust	Streamlining
Weight	Water resistance
Newton	Salt water
Friction	Density