

UNIT 5: MATTER AND CHANGE**→ Problems of mass and volume:**

– **More** or **less**? [*¿más o menos?*]:

- A car weighs more/ less than 1 kg. [*¿un coche pesa más/menos de 1 kg?*]

A car weighs **more** than 1 kg.

- A book weighs more / less than 100 kg.

A book weighs **less** than 100 kg.

- A butterfly weighs more / less than 1 kg.

A butterfly weighs **less** than 1 kg.

- Two pencils weigh more / less than 1 g.

Two pencils weigh **more** than 1 g.

- A glass of water [*un vaso de agua*] is more / less than 1 mL.

- A glass of water is **more** than 1 mL.

- A pond [*estanque*] is more / less than 10 L.

A pond is **more** than 10 L.

→ Watch this **video about density**:

<https://youtu.be/bqvTjH2ZCAE>

– Which [*¿Cuál...*] of these substances (oil, water and honey) has got a higher density [*la densidad más alta*]?

Honey has got a higher density than oil and water, so it sinks.

– Which of these substances (oil, water and honey) has got a lower density [*la densidad más baja*]?

Oil has got a lower density than honey and water, so it floats.

STATES OF MATTER

→ Watch this **video** and answer the questions:

<https://youtu.be/DE3LCPfP8N8>

– What are the 3 states of matter?

The 3 states of matter are **solid**, **liquid** and **gas**.

– Characteristics*:

	solid	liquid	gas
VOLUME	fixed	fixed	variable
MASS (<i>size</i>)	fixed	variable	variable

***fixed**: *fijo, que no cambia* / **variable**: *que cambia*

– **Changes of state** [*cambios de estado*]:

- From solid to liquid: **melting**
- From liquid to solid: **solidification**
- From liquid to gas: **evaporation**
- From gas to liquid: **condensation**