3 · Particle model of matter

AQA · GCSE · Physics · Vocabulary in context

Word	Example
density /ˈdensɪti/	Iron has a higher **density** than wood, so it sinks in water.
sublimates /ˈsʌblɪmeɪts/	Dry ice **sublimates**: it turns straight from solid to gas.
physical changes /ˈfɪzɪkl ˈtʃeɪndʒɪz/	Melting and boiling are **physical changes**.
internal energy /ɪnˈtɜːnl ˈenədʒi/	Heating the gas raises its **internal energy**.
specific heat capacity /spəˈsɪfɪk hiːt kəˈpæsɪti/	Water has a high **specific heat capacity**, so it warms up slowly.
latent heat /ˈleɪtənt hiːt/	Ice takes in **latent heat** as it melts.
specific latent heat /spəˈsɪfɪk ˈleɪtənt hiːt/	The **specific latent heat** is the energy to melt or boil 1 kg. 1 kg
Fusion /ˈfjuːʒn/	**Fusion** is melting: changing from solid to liquid.
Vaporisation /ˌveɪpəraɪˈzeɪʃn/	**Vaporisation** is changing from liquid to gas.
pressure /ˈpreʃə/	A sharp knife puts a large **pressure** on the bread.

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