aeration	the process of adding air to a substance
ageing process	a method which allows natural enzymes to break down the tough connective tissue in meats and for water to evaporate, leading to a more concentrated flavour
amino acids	the molecules that form the basic building blocks of protein
antioxidant	a chemical that stops oxidation, preventing oxidative damage in the body or, in food, preventing fats and oils becoming rancid
bacterial culture	in cheese making this term refers to the lactic acid bacteria that change the milk sugar to lactic acid

carbohydrate	one of the main nutrients needed by the body, providing energy and fibre
catalyst	a substance that helps a chemical reaction to occur
coagulation	when a protein separates from other nutrients and turns from a liquid to a solid
crystallisation	the formation of solid crystals that occurs when a very concentrated (supersaturated) sugar solution cools
denaturation	occurs when the helix structure of the protein breaks apart

dextrin	the half-way stage in the breakdown of starch to glucose
dextrination	the process in which starch breaks down into dextrins
emulsifier	a substance that has an attraction for both lipids and water; these substances cause stable mixtures to form
emulsion	a stable lipid and water combination
enzyme	a chemical substance that acts as a catalyst

enzymic browning	a process that takes place when the enzymes in fruit and vegetables react with oxygen, producing a brown colour on the surface of the food
foam	formed when air is beaten into a liquid
gel	an elastic solid that can be formed when protein, starch or pectin surrounds small droplets of water
gelatinisation	the process that starch goes through as it absorbs water in the presence of heat, resulting in the thickening of the liquid
gelation	the process of forming a gel

gluten	a type of protein found in grains that will stretch and form the structure of a flour product
helix	a shape similar to a spiral
homogenisation	the process in which the size of the fat globules is reduced to small, uniform particles, which are then distributed evenly throughout the liquid
lipids	the general name given to a range of substances that include fats, oils, fatty acids, phospholipids, sterols, glycolipids and waxes; most of these are not soluble
Maillard reaction	the browning that occurs when a protein and sugar are heated

pectin	a polysaccharide found in fruit and some vegetables; used to make jams set
peptide bond	a bond that holds amino acids together in a polypeptide chain
protein	one of the main nutrients needed by the body to repair and build cells, produce enzymes and hormones, and which can be used as a source of energy
rancid	food that has the unpleasant smell or taste of decomposing oils or fats
roux	a combination of butter and flour, cooked until it bubbles

## starch

a polysaccharide of glucose that forms the energy stored in plants