



Across

- 1 What name is given to the process by which green plants and some other organisms use sunlight to synthesise nutrients from carbon dioxide and water? (14)
- 10 Which Japanese poem of 17 syllables, in three lines of five, seven, and five, traditionally evokes images of the natural world? (5)
- 11 What name is given to the 'excess of revenues over outlays in a given period of time, including depreciation and other non-cash expenses'? (3,6)
- 12 What is the name of the tube that a swimmer uses to breathe through while under water? (7)
- 13 What is the name of the 17th century Dutch physicist who first formulated the wave theory of light? (7)
- 14 Which industrial city in northern France near the Belgian border was the medieval capital of Flanders? (5)
- 16 Madison is the capital of which state in the northern US, bordering on Lakes Superior in the north-west and Michigan in the east? (9)
- 19 The talented trainer Nicholas Evans, with a remarkable gift for understanding horses was known as the 'Horse

[What]?' (9)

- 20 What is the surname of the lead singer of the American metal band Limp Bizkit? (5)
- 22 What word is often applied to 'a quick reply to a question or remark, especially a witty or critical one'? (7)
- 25 *Into The Groove* was the first UK number one hit singer for which American singer, songwriter and actress? (7)
- 27 Which arm of the southern Pacific Ocean lies between southeastern Australia and New Zealand? (6,3)
- 28 Which word can mean both 'a light, thin fabric with a wrinkled surface' and 'a small, very thin pancake'? (5)
- 29 Which hard white substance made by the addition of water to powdered and partly dehydrated gypsum, is used for holding broken bones in place and making sculptures and casts? (7,2,5)

Down

- 2 Derived from the Greek for 'the many', what word is sometimes used to describe the 'common people in general'? (3,6)
- 3 What name was given to a series of UK Acts directed, from 1830 onwards, against the system whereby workers received

their wages in the form of vouchers for goods redeemable only at a special shop, often run by the employer? (5)

- 4 Which tall plant of the daisy family, with very large golden-rayed flowers, is cultivated for its edible seeds, which are an important source of oil for cooking and margarine? (9)
- 5 What name is given to an 'indentation or incision on an edge or surface' and also a 'nick made on something in order to keep a score or record'? (5)
- 6 Which American motor manufacturer was a pioneer of large-scale mass production? He founded the motor company, which in 1909 produced the famous *Model T*? (5,4)
- 7 What was the surname of the famous English potter (1754-1827) who started a pottery famous for its bone china? (5)
- 8 What name is usually given to the son of your spouse by a former marriage? (7)
- 9 Which long-bladed hand tool with a bevelled cutting edge and a handle that is struck with a hammer or mallet, is used to cut or shape wood, stone, or metal? (6)
- 15 In chess what name is given to the rule that a pawn making a first move of two squares instead of one may nevertheless be

immediately captured by an opposing pawn on the fifth rank? (2,7)

- 17 Which player normally wears the number nine jersey in rugby union and the number seven jersey in rugby league? (5,4)
- 18 Which vast plain in Tanzania to the west of the Great Rift Valley is well known for its wildlife? (9)
- 19 What name is given to a concealed device connected to a telephone or other communications system that allows a third party to listen or record conversations? (7)
- 21 Which is the longest river entirely in England? (6)
- 23 Which dish, originally from Italy, consists of dough made from durum wheat and water, extruded or stamped into various shapes and typically cooked in boiling water? (5)
- 24 Which noun means a 'person or thing that eases or relieves'? (5)
- 26 How was the name of Dhaka, the capital and largest city of Pakistan, spelt until 1982? (5)