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| Word | Pro. | Pron. | Explanation |
| alignment | n |  | 1. arrangement in a straight line  A bone in my spine was out of alignment  2. political support given to one country or group by another  Japan’s alignment with the West |
| Epiphany | n |  | A Christian festival, held on the 6 January, in memory of the time when the Magi came to see the baby Jesus at Bethlehem  An epiphany is a moment f sudden insight or understanding  I had an Epiphany recently |
| concatenate | v |  | Link things together in a chain or series  Some words may be concatenated, such that certain sounds are omitted. |
| superfluous | adj |  | More than you need or want  SYN: unnecessary  She gave him a look that made words superfluous |
| helmet | n |  | A type of hard hat that protects the head, worn, for example, by a police officer, a soldier or a person playing some sports  Wear a helmet |
| concise | adj |  | 1. giving only the information that is necessary and important, using few words  A concise summary  2. shorter than the original book, on which it was based  A concise dictionary |
| Delimiter | n |  | A character that marks the beginning or end of a unit of data. |
| delimit | v |  | Formal, to decide that the limits of sth are |
| asterisk | n |  | The symbol \* placed next to a particular word or phrase to make people notice it or to show that more information is given in another place  I’ve asterisked the tasks I want to do first |
| mythical | adj |  | 1. also less frequent also mythic, existing only in ancient myths  SYN: legendary  Mythical beast/hero  2. also less frequent also mythic, that does not exist or is not true  SYN: fictitious  The mythical rich uncle that he boasts about |
| mythic | adj |  | = mythical  2.  SYN: legendary |
| hydrothermal | adj |  | Hydrothermal vents |
| depth | n |  | 1. the distance from the top or surface to the bottom of sth  What's the depth of water here.  2. the distance from the front to the back of sth  The depth of the shelves is 30 centimeters  3. the strength and power of feelings  The depth of her love  4. approving, the quality of knowing or understanding a lot of details about sth; the ability to provide and explain these details  A job that doesn’t require any great depth of knowledge  His ideas lack depth.  5. the deepest, most extreme or serious part of sth  The depths of the ocean  She was in the depths of despair.  6. the strength of a color  Strong light will affect the depth of color of your carpets and curtains  7. the quality in a work of art or a photography which makes it appear not to be flat |
| acidic | adj |  | 1. very sour  2. containing acid  Acidic soil |
| extremophile | n |  | Organisms that lives under extreme environmental conditions. |
| mimic | v |  | 1. to copy the way sb speaks, moves, behaves, etc., especially in order to make other people laugh  He mimicked her southern accent.  2. to look or behave like sth else  SYN: imitate  The robot was programmed to mimic a series of human movements |
| n | A person or animal that can copy the voice, movements, etc. of others |
| rover | n |  | Literary, a person who likes to travel a lot rather than live in one place |
| rove | v |  | 1. formal, to travel from one place to another, often with no particular purpose  SYN: roam  A quarter of million refugees roved around the country  2. if sb’s eyes rove, the person keeps looking in different directions |
| meteor | n |  | A piece of rock from outer space that makes a bright line across the night sky as it burns up while falling through the earth’s atmosphere  A meteor shower |
| meteorology | n |  | The scientific study of the earth’s atmosphere and its changes, used especially in forecasting the weather  Meteor- -logy  A professor of meteorology |
| Europa | n |  | 1. a Phoenician princess who had three children by Zeus in Crete, where he had taken her after assuming the guise of a white bull. Their offspring were Rhadamanthus, Minos, and Sarpedon.  2. the smallest of the four Galilean satelites of Jupiter… |
| Jupiter | n |  | 1. In Roman tradition, the king and ruler of the Olympian gods  2. the largest of the planets and the fifth from the sun. |
| Saturn | n |  | A large planet in the solar system that has rings around it and is 6th in order of distance from the sun |
| instead | adv |  | In the place of sb/sth  Lee was ill so I went instead  He didn’t reply. Instead, he turned on his heel and left the room  She said nothing, preferring instead to save her comments till later |
| repository | n |  | Pl. -ies  Formal  1. a place where sth is stored in large quantities  2. a person or book that is full of information  My father is a repository of family history. |
| panorama | n |  | 1. a view of wide area of land  SYN: vista  There is a superb panorama of the mountains from the hotel.  A description, study or set of pictures that presents all the different aspects or stages of a particular subject, event, etc.  A panoramic view of the valley |
| peek | v |  | 1. *~ at sth* to look at sth quickly and secretly because you should not be looking at it  SYN: peep  No peeking!  I couldn’t resists peeking in the drawer  She peeked at the audience from behind the curtain  2. *~ out/over/through, etc.* to be just visible  Her feet peeked out from the end of the blanket |
| checkout | n |  | 1. the place where you pay for the things that you are buying in a supermarket.  A checkout assistant  2. the time when you leave a hotel at the end of your stay  At checkout, your bill will be printed for you, |
| agony | n |  | Extreme physical or mental pain  Jack collapsed in agony on the floor  It was agony not knowing where the children were  She waited in an agony of suspense.  The worst agonies of the war were now beginning  Tell me now, don’t prolong the agony, |
| anguish | n |  | Formal, severe pain, mental suffering or unhappiness  He groaned in anguish.  Tears of anguish filled her eyes  Anguished cries |
| dissuade | v |  | *~ sb from sth/from doing sth* to persuade sb not to do sth  I tried to dissuade him from giving up his job  He tried to dissuaded me from taking the job.  They were going to set off in the fog, but were dissuaded. |
| Leap year | n |  | One year in every four years when February has 29 days instead of 28 |
| demystify | v |  | Demystifies demystifying demystified  To make sth easier to understand and less complicated by explaining it in a clear and simple way. |
| parse | v |  | Grammar, to divide a sentence into parts and describe the grammar of each word or part. |
| Indeed | adv |  | 1. used to emphasize a positive statement or answer.  was he very angry? Indeed, he was  2. especially BrE, used after very and an adjective or adverb to emphasize a statement, description, etc.  Thank you very much indeed!  I was very sad indeed to hear of your father’s death  3. especially BrE, formal, used to add information to a statement.  I don’t mind at all. Indeed, I would be delighted to help  4. used to show that you area surprised at sth or that you find sth ridiculous  A ghost indeed! I’ve never heard anything so silly  5. informal, used when you are repeating a question that sb has just asked and showing that you don’t know the answer.  Why did he do it? Why indeed? |
| scaffolding | n |  | Poles and boards that are joined together to make a structure for workers to stand on when they are working high up on the outside wall of a building. |
| typo | n |  | A typo (short for Typographical Error) is a mistake made in the typing process |
| Cartesian | adj |  | Connected with the French philosopher Descartes and his ideas about philosophy and mathematics  Cartesian reference |
| superpose | v |  | To put sth on or above sth else  They had superposed a picture of his head onto someone else’s body  Superpose things onto the body |
| colleague | n |  | A person that you work with, especially in a profession or a business  A colleague of mine from the office  He is my colleague |
| tadpole | n |  | NAmE also polliwog, a small creature with a large head and a small tail, that lives in water and is the young form of a frog or toad.  A frog was once a tadpole |
| solitary | adj |  | 1. done alone; without other people  He led a solitary life  2. enjoying being alone; frequently spending time alone  Tigers are solitary animals  3. alone with no other people or things around  SYN: single  A solitary farm  4. only once  SYN: single  There was not a solitary shred of evidence |
| n | Pl. ies  1. informal = solitary confinement  2. formal, a person who chooses to live alone |
| but | conj |  | I’m sorry but I can’t stay any longer  I had no choice but to sign the contract  6. used before repeating a word in order to emphasize it  Nothing, but nothing would change his mind.  7. literary, used to emphasize that sth is always true  She never passed her old home but she though of the happy years she had spent there.  1. but for  1. if it were not for  He would have played but for a knee injury  2. except for  The square was empty but for a couple of cabs  2. but then (again)  1. however; on the other hand  He might agree. But then again he might have a completely different opinion.  Used before a statement that explains or gives a reason for what has just been said  She speaks very good Italian. But then she did live in Rome for a year (= so it’s not surprising).  3. you cannot/could not but  (formal) used to show that everything else is impossible except the thing that you are saying  What could he do but forgive her. |
| perp |  | Except, apart from  We’ve had nothing but trouble with this car  This problem is anything but easy  I came last but one in the race |
| adv |  | Only  Even you were once but a gleam in your parents’ eyes. |
| n |  | A reason that sb gives for not doing sth or not agreeing  With so many ifs and buts, it is easier to wait and see |
| Set up | v |  | 1. to build sth or put sth somewhere  The police set up roadblocks on routes out of the city  set up an entirely new factory  2. to make a piece of equipment or a machine ready for use  She set up her stereo in her bedroom  3. to arrange for sth to happen  I’ve set up a meeting for Friday  4. to create sth or start it  To set up a business  5. to start a process or a series of events  The slump on Wall Street set up a chain reaction in stock markets around the world. |
| draw | v |  | Drew, drawn  1. to make pictures, or a picture of sth, with a pencil, pen or chalk (but not paint)  draw a picture/diagram/graph  2. PULL, to move sth/sb by pulling it or them gently  He drew me onto the balcony  I tired to draw him aside  3. to pull a vehicle such as a carriage  A horse-drawn carriage  4. CURTAINS to open or close curtains, etc.  The blinds were drawn  5. to move in the direction mentioned  The train drew into the station  The train drew in  6. WEAPON *~ sth on sb* to take out a weapon, such as a gun or a sword, in order to attack sb  She drew a revolver on me  7. ATTACK *~ sb to sth* to attract or interest sb  The movie is drawing large audiences  8. *~ sth from sb* to produce a reaction or response  The plan has drawn a lot of criticism  9. *~ sb about/on sth* often passive, to make sb say more about sth  Spielberg refused to be drawn on his next movie  10. *~ sth from sth* to have a particular idea after you have studied sth or thought about it  What conclusions did you draw from the report?  11. COMPARISON to express a comparison or a contrast  To draw an analogy  12. CHOOSE to decide sth by picking cards, tickets or numbers by chance  We drew for partners  They had to draw lots to decide who would go.  13. *~ with/against sb* to finish a game without either team winning  England and France drew  14. *~ sth from sth | ~ sth out of sth | ~ sth on sth*  To take money or payments from a bank account or post office  SYN: withdraw  15. LIQUID/GAS to take or pull liquid or gas from somewhere  To draw water from a well  16. *~ at/on sth | ~ sth in* to breathe in smoke or air  He drew thoughtfully on his pipe  Every robot draws energy from the central power plant. |
| n | The match ended in a two-all draw  A prize draw |
| plant | n |  | 1.  Flowering/garden/indoor plants  2. FACTORY a factory or place where power is produced or an industrial process takes place  A chemical plant  A power plant  3. the large machinery that is used in industrial processes  The company has been investing in new plant and equipment  4. STH ILLEGAL informal something that sb has deliberately placed among another person’s clothes or possessions in order to make them appear guilty of a crime  5. a person who joins a group of criminals or enemies in order to get and secretly report information about their activities. |
| v | 1.  To plant and harvest rice  2. *~ sth with sth* to cover or supply a garden/yard, area of land, etc. with plants  3. to place sth or yourself firmly in a particular place or position  He planted himself squarely in front of us  4. to hide sth such as bomb in a place where it will be found  … |
| Wall off |  |  | Certain zones in the factory have harsher working conditions so these areas are walled off. |
| nucleus | n |  | 1. physics, the part of an atom that contains most of its mass and that carries a positive electric charge  2. biology, the central part of some cells. Containing the genetic material  3. the central part of sth around which other parts are located or collected. |
| Deoxyribonucleic acid | n |  |  |
| Make up of |  |  | the factories are mostly made up of lipids, |
| lipid | n |  | Chemistry, any of a group of natural substances which do not dissolve in water, including plant oils and steroids |
| Pinch | v |  | 1. to take a piece of sb’s skin between your thumb and first finger and squeeze hard, especially to hurt the person  My sister’s always pinching me and it really hurts.  2. to hold sth tightly between the thumb and finger or between two things that area pressed together.  A pinched nerve in the neck  3. OF A SHOE if sth as a shoe pinches part of your body, it hurts you because it is too tight  The new shoes pinch  4. STEAL *~ sth from sb/sth* *BrE, informal* to steal sth, especially sth small and not very valuable  SYN: nick  Who’s pinched my pen  5. COST TOO MUCH to cost a person or an organization a lot of money or more than they can spend  Higher interest rates are already pinching the housing industry  6. ARREST old-fashioned BrE, informal to arrest sb  I was pinched for dangerous driving.  IDIOMS  1. pinch pennies  Informal, to try to spend as little money as possible |
| n | 1. WITH THUMB AND FINGER an act of squeezing a part of sb’s skin tightly between your thumb and finger, especially in order to hurt them  She gave him a pinch on the arm to wake him up  2. SMALL AMOUNT the amount of sth that you can hold between your finger and thumb  A pinch of salt  IDIOMS  1. at a pinch (in a pinch)  In most organisms, the primary fuel source are sugars, but in a pinch, fats and proteins can be broken down and burned in the furnace as well.  2. take sth with a pinch of salt  To be careful about believing that sth is completely true |
| Membrane | n |  | [C, U]  1. a thin layer of skin or tissue that connects or covers parts inside the body  2. a very thin layer found in the structure of cells in plants  3. a thin layer of material used to prevent air, liquid etc. from entering a particular part of sth  The portals are membrane proteins. |
| push | v |  | … |
| n |  | A few small but crucial forms of money are transferred between proteins to provide this push. |
| tote | n |  | 1. also the Tote, [sing.] a system of betting on horses in which the total amount of money that is bet on each race is divided among the people who bet on winners  2. also tote bag, a large bag for carrying things with you  A large tote bag |
| v | 1. informal. Especially NAmE, to carry sth, especially sth heavy  We arrived, toting our bags and suitcases  2. toting, (in adjectives) carrying the thing mentioned  Gun-toting soldiers |
| glycogen | n |  | Maybe there’s too much fuel; your body will store the excess as glycogen or fat. |
| Use up |  |  | Maybe there’s not enough; your body will use up those energy reserves. |
| mobilize | v |  | 1. to work together in order to achieve a particular aim; to organize a group of people to do this  SYN: rally  The unions mobilized thousands of workers in a protest against the cuts  2. to find and start to use sth that is needed for a particular purpose  SYN: marshal  They were unable to mobilize the resources they needed  3. if a country mobilizes its army, or if a country or army mobilizes, it makes itself ready to fight in a war  The troops were ordered to mobilize.  Maybe a virus or bacteria tries to invade; your body will mobilize the immune system. |
| acorn | n |  | the small brown nut of the oak tree, that grows in a base shaped like a cup  every oak tree was once an acorn. |
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