

GRAMMAR

Choose the correct answer.

- 1 He _____ as an apprentice from 2014 until 2017.
A has worked B has been working C worked
- 2 As soon as the countdown _____, the rocket is launched.
A will end B end C has ended
- 3 This item _____ carefully. It's very fragile.
A should carry B must carried C needs to be carried
- 4 A bomb _____ caused the damage.
A mustn't have B must have C must have been
- 5 The inspector told me _____ the building without a safety helmet.
A do not enter B no entry C not to enter
- 6 Burj Khalifa is _____ artificial structure in the world.
A easily the tallest B by far taller C far the tallest
- 7 The accident wouldn't have happened if they _____ the corroded bolts.
A replace B replaced C had replaced
- 8 If you had to choose the greatest invention of the 20th century, _____ for the Internet?
A would you vote B did you vote C had you voted
- 9 Maciek will probably get this job, as he _____ English fluently, which is one of the requirements.
A is speaking B speaks C is spoken
- 10 Why _____ apply for this job? If I were you, I would do it.
A aren't you B don't you C you wouldn't
- 11 Kevlar _____ severe impact.
A is able of resisting B has the capacity of resisting C has the ability to resist
- 12 This robot works _____ sensors and wireless technology.
A whereas B by means of C in order to
- 13 The inability to see the stars is _____ light pollution.
A because B caused by C causing
- 14 This way of generating electricity is _____ from traditional methods.
A instead B different C unlike
- 15 By the year 2050 new ways of teaching _____.
A will find B will have found C will have been found

VOCABULARY 1

Use the words in CAPITALS to form words that fit the gaps in the sentences.

- 16 Brittle materials are strong in _____ and shear. COMPRESS
- 17 It was revealed that more than twenty bridges in the area need _____. REINFORCE
- 18 Some of the information provided in the report was _____ or not up to date. ACCURATE
- 19 Many options that improve energy _____ are available. EFFICIENT
- 20 The rail may have suffered thermal shock as a result of _____ heat. EXCESS
- 21 A lot of materials contract when they _____. SOLID
- 22 It was suggested that we should consider a new means of _____ other than the internal combustion engine. PROPEL

VOCABULARY 2

Choose the correct answer.

- 23 In the injection moulding process the molten polymer is pushed by the _____ through the nozzle into the mould.
A ram B hopper C pellet
- 24 After landing, the pilot _____ the parachute from the rear to slow the shuttle.
A deploys B ascends C decreases
- 25 Gold is highly _____ and is resistant to corrosion.
A flammable B tactile C malleable
- 26 _____ strength is the strength to withstand a twisting force.
A Tensile B Shearing C Torsional
- 27 I'm afraid this concrete has _____ resulting from the addition of too much water.
A flows B flaws C faulty
- 28 There are two basic forms of image _____ technology: cameras and scanners.
A capture B closure C capacitance
- 29 The roof and sidewalls are lined with glass-wool to provide heat _____.
A insulation B ductility C disintegration
- 30 When the switch connects up the charge _____, the battery charges up the capacitor.
A ridge B circuit C dielectric

VOCABULARY 3

Match the words and the definitions. There are more words than you need.

adjust	axle	coil	drag	extrude	fracture	friction	melt	odd	piston	wear
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- 31 to change from a solid substance into a liquid: _____
- 32 to squeeze out: _____
- 33 to change something a little, e.g. pressure in a tyre or a height of a bicycle seat: _____
- 34 the opposite of 'even number': _____ number
- 35 a disc or cylindrical part that moves along a hollow cylinder to create power: _____
- 36 a wire in a continuous circular shape: _____
- 37 a crack in a material: _____
- 38 damage caused by continuous use over a long period: _____
- 39 the force that slows something down when it moves through air or liquid: _____
- 40 the force that prevents one surface from sliding easily over another surface: _____

VOCABULARY 4

Fill in the gaps in the sentences using some of the words below.

calliper	cavity	conductor	discharge	distress	due	maintenance	perpendicular	submerge	tissue	vapour
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- 41 As an electrical _____ for building wire systems, copper is the most efficient, strongest, most reliable metal available today.
- 42 When a submarine needs to _____ or dive below the surface, its ballast tanks are flooded with seawater.
- 43 The vertical axis of a graph is _____ to the horizontal axis.
- 44 The main line to Warsaw is closed as engineers are carrying out _____ work.
- 45 Water _____ is the gaseous phase of water.
- 46 People must not drink this water _____ to the presence of impurities.
- 47 A _____ signal came from the plane's emergency beacon, which provided data to the rescue team about the plane's location.
- 48 In a disc brake, the _____ has two jaws that move together and squeeze the disc to stop it rotating.
- 49 With the skin cell gun, damaged skin _____ can be regenerated more quickly than with traditional methods.
- 50 The injection moulding takes place when a plastic material is fed into a heated barrel, mixed, and forced into the metal mould _____ where it cools and hardens before being removed.

KEY

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- 23 Brittle materials are strong in **COMPRESSION** and shear.
- 24 It was revealed that more than twenty bridges in the area need **REINFORCEMENT**.
- 25 Some of the information provided in the report was **INACCURATE** or not up to date.
- 26 Many options that improve energy **EFFICIENCY** are available.
- 27 The rail may have suffered thermal shock as a result of **EXCESSIVE** heat.
- 28 A lot of materials contract when they **SOLIDIFY**.
- 29 It was suggested that we should consider a new means of **PROPULSION** other than the internal combustion engine.

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- 59 the force that slows something down when it moves through air or liquid: **drag**
- 60 the force that prevents one surface from sliding easily over another surface: **friction**

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- 63 The vertical axis of a graph is **perpendicular** to the horizontal axis.
- 64 The main line to Warsaw is closed as engineers are carrying out **maintenance** work.
- 65 Water **vapour** is the gaseous phase of water.
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