

Instructions

This verbal reasoning test comprises 30 questions, and you will have 25 minutes in which to correctly answer as many as you can.

You will be presented with a passage to read, and a statement about that passage. You must select one of the following answers:

True: The statement follows logically from the information or opinions contained in the passage.

False: The statement is logically false from the information or opinions contained in the passage.

Cannot Say: It is not possible to determine whether the statement is true or false without further information.

You will have to work quickly and accurately to perform well in this test. If you don't know the answer to a question, leave it and come back to it if you have time.

Try to find a time and place where you will not be interrupted during the test. When you are ready, begin the test.



Some studies of temperatures around the world have found that global warming is speeding up and claim that the 1980s and 1990s were the hottest decades for the past 400 years. The average global temperature has gone up by 0.8°C in the past 125 years, from 18°C. Some areas of the Arctic across Russia and Canada have had an increase double that of the global average increase, shooting their temperatures up to 13°C. The changes resulting from shorter, warmer winters are affecting all aspects of life for the indigenous Inuit people. The ice melts faster restricting access to hunting sites and making it harder to find the basic building material for the igloos widely used on hunting trips. This is causing difficulty for the Inuit, as hunting is their primary food source.

Q1	The Inuit of the Arctic region are building fewer igloos on hunting trips.		
	True	False	Cannot say
Q2	Studies have found that the temperature has doubled in some areas of Canada.		
	True	False	Cannot say
Q3	The INUIT people of	btain all their fo	od from hunting.
	True	False	Cannot say

In an effort to preserve fishing stocks, for many years the European Union has used a quota system to regulate the amount of fish that can be taken out of the North Sea. This involves defining the tonnage of the various types of North Sea fish that each EU member country can take. As soon as the catch is landed - but not before - fishermen can be fined for landing more fish at their port than their quota permits. Each year fisherman dump thousands of tonnes of fish back into the sea either because they have reached their quota and don't want to be fined or because the fish are too small to be caught legally. Some environmental groups feel that existing approaches are not working since these fish are already dead and throwing them back serves no real purpose. They believe that other steps need to be taken to conserve North Sea fishing stocks and avoid depletion.

Q4	Fish stocks in the N	orth Sea are ne	arly exhausted.	
	True	False	Cannot say	
Q5	Some environmental groups think new conservation methods are called fo			
	True	False	Cannot say	
Q6	Fishermen can be fi	ned for catching	g too many fish.	
	True	False	Cannot say	

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Biofuels are now being used worldwide and supporters claim that they are a sustainable, renewable and cleaner alternative to traditional fossil fuels like coal and petroleum, supplies of which are becoming exhausted. Biofuels are increasingly used in the transportation sector. The main producers of biofuels are in Asia, Europe and America. They can be produced from any carbon source including landfill gasses and recycled vegetable oil but most of the biofuels produced around the world is derived from photosynthetic plants. The two main types of plant used in production are those high in sugar, which are fermented to produce ethanol, and those high in oil, which have the oil extracted and heated to reduce viscosity. Burning biofuels releases the same amount of CO₂ that the plants took out of the environment when growing so there is no net increase in levels of atmospheric carbon.

Q7	Biofuels can be used to power aircraft. True False Cannot say			
	True	False	Cannot say	
Q8	Plants high in oil ca	n have their oil	heated to make it flow more freely.	
	True	False	Cannot say	
Q9	Ethanol can be prod	luced from phot	tosynthetic plants with high oil content.	
	True	False	Cannot say	



Many businesses now recognise that there are wide-ranging benefits to be gained from offering their workforce flexible working arrangements. These arrangements can include being able to work from home, job sharing, part time working and being able to choose when to complete agreed hours, for example through working fewer but longer days, or working flexitime. Employees able to adopt flexible working are better able to balance work and family commitments and are therefore happier at work, experiencing greater job satisfaction. They are also more motivated and less likely to leave. For businesses, they reap the benefits through productivity increases, and greater cost-effectiveness. Staff recruitment costs are not insignificant to businesses. Customers can benefit too as businesses are better able to react quickly to changes in the market. All employees now have a statutory right to request flexible working arrangements. The law extends as far as insisting employers consider and respond to these requests within a predefined timescale.

Q10	Parents able to adopt flexible working experience better job satisfaction because the can better balance time between work and family commitments.		
	True	False	Cannot say
Q11	Employees have a lega	al right to flexible	working arrangements if they want them.
	True	False	Cannot say
Q12	Employers can reduce	recruitment cost	s through introducing flexible working hours.
	True	False	Cannot say

While most forms of discrimination in the workplace have been outlawed, discrimination or bias against some employees seeking career advancement still happens. This discrimination is both unwritten and unacknowledged. A 'Glass Ceiling' is the term used to describe this type of discrimination and refers to the invisible barrier that people hit when they try to progress beyond a certain level in some businesses and organisations. Originally coined to illustrate the hidden use of sexual discrimination against women in professional environments, it is now commonly used to describe any form of discrimination, such as racism or ageism, which prevents qualified and experienced employees reaching even basic levels within their organisation. Many reports and studies now suggest that change is happening and that cracks are beginning to appear in the glass. The studies also claim however that change is happening slowly and that the cracks are small.

Q13	A 'Glass Ceiling' specifically describes sexual discrimination in the modern workplace.			
	True	False	Cannot say	
Q14	Positive changes are occurring regarding discrimination in the workplace.			
	True	False	Cannot say	
Q15	The 'Glass Ceiling'	can prevent qua	lified people from getting to the top of their fiel	d.
	True	False	Cannot say	



The Flying Shuttle and the Spinning Jenny are two early 18th century British inventions that revolutionised the textile industry. They increased productivity by automating some key processes thereby reducing the amount of manual operation needed. The Flying Shuttle, for example, raised the productivity of manual weaving by around 50 percent by returning the shuttle automatically meaning that one worker could do the work that previously had been done by two. The Spinning Jenny invented a couple of decades later similarly automated processes allowing one spinner to do more. Reducing the amount of manual intervention needed for these tasks meant that they were more suitable for adaptation to mechanical power such as waterpower and steam which had become the new means of propulsion shortly before their invention.

Q16	Automating the production process of weaving was a necessary precursor to the application of steam power.			
	True	False	Cannot say	
Q17	The two inventions led to job losses in the textile industry.			
	True	False	Cannot say	
Q18	Steam as a propulsion system was introduced into the textile industry after waterpower.			
	True	False	Cannot say	

Proponents of recycling are adamant that we must preserve the world's precious natural resources by reducing our consumption of new raw materials. They say that to accomplish this all we need to do is to reuse or recycle many materials that traditionally would be thrown away and end up in landfill sites. Many local authorities have designed and implemented full end-to-end recycling programmes. A critical factor in the success of any waste management and recycling programme is the ability to clearly communicate waste disposal and depositing policy to the public. The majority of people are willing to participate, but they are more likely to participate if they can easily understand what goes where. They are also less likely to make errors and put something in the wrong place, which can cause costly problems. Supporters claim that the more we recycle the less it costs, however some critics counterclaim that recycling actually consumes more resources than it saves and in the long run is doing more harm than good.

Q19	Recycling advocates are arguing that we must recycle all our waste to preserve the world's natural resources.		
	True	False	Cannot say
Q20	Some people say that	recycling is an inc	efficient use of resources.
	True	False	Cannot say
Q21	Most of the public are reluctant to participate in recycling because they do not known what goes where.		
	True	False	Cannot say



Scientists now claim that some of the low, wide debris-covered formations first observed on radar images of Mars as far back as the 1970s are in fact glaciers around 1km thick. The large formations were first seen on both hemispheres of the planet on images sent back by NASA's Viking orbiters. There are many similar apron-shaped formations on the Martian landscape but the latest reconnaissance images from Mars have lead some scientists to believe that the bigger rounded slopes and ridges have features which suggest they were formed by a flow of thick ice covered rubble. There are other known deposits of ice at the polar caps where temperatures are much lower. These newest discoveries are at much lower latitudes and some scientists believe that there could be enough water held in these formations to support humans in future Mars missions.

Q22 Some scientists claim there is now reason to believe that ice exists on Ma locations other than just the polar caps.			ars in	
	True	False	Cannot say	
Q23	NASA believes that future missions.	there is perhap	s enough water on Mars to support hu	ımans on
	True	False	Cannot say	
Q24	Radar technology e	existed prior to th	e 1980s	
QL-T	True	False	Cannot say.	

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University professor Dr Nugent has produced a study in which he puts forward a theoretical calculation of how light could be bent to make objects invisible. He theorises that if light bends round an object rather than hitting it, the object will appear invisible. He points out that the science he is using is well established. Light is bent when it travels through water as is demonstrated by the fact that the fish you see in the water are not in fact where you think they are. Our brains 'think' that the light travels in a straight line. An invisibility cloak would be a much more sophisticated application of the same science. The professor stresses that it's still a long way off and that a lot of effort and money will have to be spent before this could be developed into a workable device.

Q25	A professor, using well-established science, has designed an invisibility cloak.		
	True	False	Cannot say
Q26	By bending light, it is where it is.	possible to fool a	human brain into thinking an object is not
	True	False	Cannot say
Q27	The military have exp	ressed an intere	st in the technology used to bend light.
	True	False	Cannot say

In the USA there are on average 2 million hectares of land cleared by 120,000 wildfires per annum. These uncontrolled blazes can travel at up to 23 kilometres per hour and destroy everything in their path. Prolonged drought and dry conditions produce tinder dry vegetation that can be ignited by a single spark which can rapidly become a raging inferno when fed by hot dry winds. Man starts eighty per cent of all wildfires either intentionally or accidentally. Embers from campfires and discarded cigarettes are common causes. Nature plays its part too with fires starting via lightning and even the direct heat of the sun. Naturally-occurring wildfires can play an important role in the ecosystem of some forest environments. The fires destroy dead or rotting vegetable matter, returning beneficial nutrients to the ground and killing disease. There are even some seeds that can only germinate if they have been 'heat-treated' by such fires.

G20 Whithings can be beneficial to the natural chimbining	Q28	Wildfires can be beneficial to the	he natural	environme	nt
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True False Cannot say

Q29 One quarter of wildfires are started naturally.

True False Cannot say

Q30 In the USA a typical month has 10,000 wildfires.

True False Cannot say