



Water, the most common liquid used for cleaning, has a property called surface tension. Molecules in the body of the water are surrounded by other molecules, but at the surface a 'tension' is created as molecules are only surrounded by other molecules on the waterside. This tension inhibits the cleaning process, as it slows the wetting of surfaces due to tension causing the water to bead up. This is where water droplets hold their shape and do not spread. For effective cleaning to take place 'surface tension' must be reduced so that water can spread. Surface-active agents, or surfactants, are chemicals which are able to do this effectively.

Verbal Reasoning: Question 1 of 30

If surfactant chemicals are added to water when cleaning a surface, surface tension will occur.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)

**Verbal Reasoning: Question 2 of 30**

The molecules on the waterside hinder the cleaning process.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



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Verbal Reasoning: Question 3 of 30

Water is the only known liquid used for cleaning.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



The location of a shop operated by a charity in an affluent neighbourhood could be deemed extremely advantageous because this increases the potential for a continuous supply of highly valuable donations. However, this may be counterbalanced by an exorbitant rent for the property. Of fundamental importance to the success of the shop is a dedicated group of volunteers who should sort through donations promptly to ensure that items are quickly made available for purchase, in order to promote financial prosperity. Volunteers and staff must be vigilant of thieves, to which these shops are particularly susceptible, usually due to a lack of security cameras or bar codes on the items.

Verbal Reasoning: Question 4 of 30

The only factor affecting the financial success of a shop operated by a charity is its location.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



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Verbal Reasoning: Question 5 of 30

Shops operated by charitable organisations are particularly vulnerable to shoplifters if there are no security cameras or bar codes on items.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



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Verbal Reasoning: Question 6 of 30

It is less likely that shops operated by charities which are situated in affluent neighbourhoods will have volunteers who are more dedicated, than those in less wealthy neighbourhoods.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



Short-sightedness is to a large extent inherited; its incidence varies from one family to another. The reason behind the link between the common incidence of short-sightedness and high intelligence is unclear. Previous generations thought that eyes could become strained by years spent poring over books, but a few decades ago the popular medical view was that short-sighted people gravitated towards the library because they found it hard to excel at sports. Recently there has been partial support for a theory that high intelligence and short-sightedness may, in fact, be part of a genetic package.

Verbal Reasoning: Question 7 of 30

People from all families stand an equal chance of being short-sighted.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



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Verbal Reasoning: Question 8 of 30

Intelligence is to a large extent inherited.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



Short-sightedness is to a large extent inherited; its incidence varies from one family to another. The reason behind the link between the common incidence of short-sightedness and high intelligence is unclear. Previous generations thought that eyes could become strained by years spent poring over books, but a few decades ago the popular medical view was that short-sighted people gravitated towards the library because they found it hard to excel at sports. Recently there has been partial support for a theory that high intelligence and short-sightedness may, in fact, be part of a genetic package.

Verbal Reasoning: Question 9 of 30

The genetic link between intelligence and short-sightedness has recently been proven.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



The prospect of accepting negative feedback about ourselves elicits conflict as we need to assess the immediate emotional costs of negative information about ourselves against the long-term benefits of gaining useful feedback. Studies have confirmed what most managers seem to have known already; that the mood we are in whilst receiving feedback often influences the relative weight people assign to emotional costs versus the informational benefits of receiving negative feedback. The studies that have been carried out have demonstrated that positive moods can function as a buffer and therefore enable people affected in this way to both accept, as well as better handle, the emotional costs of negative self-related information.

Verbal Reasoning: Question 10 of 30

Managers are increasingly taking employees' moods into consideration when providing them with negative feedback regarding their performance.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

Next



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Verbal Reasoning: Question 11 of 30

Accepting negative feedback involves a trade-off between short-term and long-term costs and benefits.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

Next



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Verbal Reasoning: Question 12 of 30

An individual's mood will have no effect on how negative feedback is received.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

Next



The increasing fragility of the rural economy will be the biggest challenge facing country communities over the next ten years. Agriculture, which accounts for a quarter of rural jobs, is in decline. Tourism provides no more than half this number of jobs. The rural manufacturing sector, however, has grown over the last ten years. Despite this, it still employs fewer than one in twenty people living in rural areas, and is threatened by companies based in industrial areas, which benefit from access to a larger skilled workforce and better transportation networks.

Verbal Reasoning: Question 13 of 30

The manufacturing sector is likely to be the main source of employment for rural workers in the future.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



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Verbal Reasoning: Question 14 of 30

Manufacturing provides the fewest jobs in the countryside.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



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Verbal Reasoning: Question 15 of 30

Industries based in rural areas suffer from poorer transport links.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

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Over the past decade there has been a steady growth in the holiday industry whilst the number of travel agencies has declined. This is due to the increasing number of customers who are booking their holidays online, because of a quicker and more financially viable service. However, specialist travel agencies, such as those focusing on particular regions or holiday activities, remain successful as they have an in-depth understanding of a region and the customers who go there. The staff are also multilingual, and thanks to their specialised knowledge they can provide good deals, meaning that their prices are often lower than non-specialist travel agents and online companies.

Verbal Reasoning: Question 16 of 30

A travel agent's specialist knowledge can be used to the financial benefit of the customer.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



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Verbal Reasoning: Question 17 of 30

It is not always more expensive for the customer to book holidays with a travel agent.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



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Verbal Reasoning: Question 18 of 30

More people are booking their holidays online rather than through a travel agent, even though it takes longer to find the right holiday this way.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



Significant advances in float furnace design and operation, in the development of glass compositions, and in the glass forming process itself have all played a role in the optimisation of glass manufacturing. For example, thermodynamic modelling assists with the enhancement of glass composition and offers control over devitrification characteristics, and studies examining burner design, to ensure flames have maximum luminosity and impinge on the glass at the correct angle, aid the minimisation of fuel consumption. The exploitation of such advanced research allows glass manufacturers to reduce their expenditure on fuel, decrease their defect rates and produce glass of the highest quality, all of which are important if they are to retain their commercial standing and customer loyalty.

Verbal Reasoning: Question 19 of 30

Glass of a higher quality is produced when the float furnace is at its maximum temperature.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



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Verbal Reasoning: Question 20 of 30

The radiance of furnace flames has no direct impact on the amount of fuel used in the glass-forming process.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



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Verbal Reasoning: Question 21 of 30

Ensuring the flames come into contact with the glass at a particular point can reduce the amount of energy required in the glass manufacturing process.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



In recent years, many issues have been considered when attempting to ameliorate the wellbeing of patients and the efficiency of hospital administration. Patients have often complained about endless waiting lists, low standards of cleanliness, poor hospital food, and unsatisfactory doctor-patient communication and now, according to an expert from a leading image consultancy, doctors' dress codes and their general appearance must come under close scrutiny. If healthcare professionals have an unwashed appearance, dirty nails or unkempt hair, this exudes the impression of recklessness and untrustworthiness; wearing red reminds patients of blood; and power dressing is discouraged because patients may feel undermined and less relaxed. Although campaign groups approve of healthcare professionals leading by example with high standards of hygiene in hospitals, some individuals argue that this potential new image legislation is merely a case of jumping on the bandwagon of the current media trend for home and lifestyle makeovers.

Verbal Reasoning: Question 22 of 30

It is always preferable for healthcare professionals to wear blue instead of red.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



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Verbal Reasoning: Question 23 of 30

New hospital legislation states that healthcare professionals must have clean fingernails.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



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Verbal Reasoning: Question 24 of 30

Individuals have argued that the current media trend for lifestyle make-overs is a direct result of the concern over the image of healthcare professionals.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



Amateur scientists have long been attracted to the discipline of astronomy, and professional astronomers are frequently supportive of their contribution to the science. Indeed, amateur astronomers have often been the first to spot an uncharted comet or star. Until now, the required scientific equipment has, unfortunately, been largely very expensive, varying according to the intricacy and size of the apparatus. According to some scientists, however, the spread of new, cheap technology, particularly in information and data management, promises to dramatically change and facilitate amateur-professional interaction, and even collaboration.

Verbal Reasoning: Question 25 of 30

Amateur-professional collaboration will contribute to the advancement of astronomy.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



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Verbal Reasoning: Question 26 of 30

In the past, all scientific equipment required for research in astronomy was very expensive.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



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Verbal Reasoning: Question 27 of 30

Following the spread of new, and cheaper technology, more amateur scientists are collaborating with professionals.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



Scientists believe we are experiencing a dramatic change in the overall climate system, verified by the 10-15 cm rise in sea levels over the last 100 years and the increases in severe weather conditions. Although climate change occurs naturally, scientists believe human activities have led to increased carbon dioxide, methane and nitrous oxide concentrations, leading to climate changes and, in turn, observed increases in sea levels, atmospheric temperatures, and erratic weather systems. This means that today's climate shift differs dramatically from previous shifts in climate in both magnitude and rate. Scientific research suggests that advancing sea levels, rising temperatures and severe weather conditions caused by climate change will result in a host of negative consequences such as a threat to international trade patterns, an increase in the movement of tropical disease, and an increased risk of forest fires and landslides.

Verbal Reasoning: Question 28 of 30

Only the difference in velocity distinguishes current climate shifts from previous shifts.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



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Verbal Reasoning: Question 29 of 30

The enormity of alterations to our climate system has never been experienced by human beings before.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

[Next](#)



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Verbal Reasoning: Question 30 of 30

People will catch more tropical diseases due to climate change.

Remember to base your answers **only** on the information given in the passage.

- ☐ True
- ☐ False
- ☐ Cannot Say

Finish