

7. 다음 글의 제목으로 가장 옳은 것은?

Hunger and food insecurity have been called America's "hidden crisis". At the same time, and apparently paradoxically, obesity has been declared an epidemic. Both obesity and hunger are serious public health problems, sometimes co-existing in the same families and the same individuals. Their existence sounds contradictory, but those with insufficient resources to purchase adequate food can still be overweight, for reasons that researchers now are beginning to understand. Policy-makers and the public need to better grasp this apparent paradox if our nation is to grapple with these threats to the well-being of many children and adults, and avoid potentially damaging policy prescriptions arising from a mistaken belief that food insecurity and obesity cannot co-exist.

- ① The Paradox of Hunger and Obesity in America
- ② The Changing face of Hunger in America
- ③ Threats to the Well-being of many Americans
- ④ How to make Public Health Policies in America

8. 다음 글의 제목으로 가장 옳은 것은?

Chen hypothesised that if you are forced to grammatically distinguish present from past, you will naturally disassociate present actions from their future consequences. By analysing data across language groups around the world, Chen confirmed his theory, showing that speakers of futureless languages saved more money, retired richer, and practiced less unhealthy behaviour, like smoking, when compared to speakers of futured languages. These results held true not only when comparing two countries, but even when comparing two similar families within the same localised area.

- ① Language analysis in two countries
- ② Grammatical distinction in tense
- ③ The rich and the poor within the similar area
- ④ Language usage in the future and the past

9. 다음 중 밑줄 친 부분에 들어갈 말로 가장 옳은 것은?

An acid is a compound that dissociates in a solution of water to form hydrogen ions and negatively charged ions. Some acids are known as strong acids because they break up almost completely in water. Hydrochloric acid is a very strong acid because most of its molecules decompose, producing hydrogen ions and chloride ions. _____ . Vinegar, which is a dilute solution of acetic acid, is an example of a weak acid.

- ① It is an important industrial chemical for many applications
- ② Each combines with a hydroxide ion of a base to form a water molecule
- ③ In a complex process and at a high energetic cost, it is secreted by parietal cells
- ④ Others, called weak acids, dissolve only slightly

10. 다음 글에서 내용의 흐름상 가장 옳지 않은 것은?

Of equal importance in wars of conquest were the germs that evolved in human societies with domestic animals. ① Infectious diseases like smallpox, measles, and flu arose as specialized germs of humans, derived by mutations of very similar ancestral germs that had infected animals. ② Cows and other livestock which are not receiving enough lime eat the bones of other animals to relieve the craving in wars of conquest. ③ The humans who domesticated animals were the first to fall victim to the newly evolved germs, but those humans then evolved substantial resistance to the new disease. ④ When such partly immune people came into contact with others who had had no previous exposure to the germs, epidemics resulted in which up to 99 percent of the previously unexposed population was killed. Germs thus acquired ultimately from domestic animals played decisive roles in the European conquests of Native Americans, Australians, South Africans, and Pacific islanders.

11. 다음 글의 밑줄 친 부분에 들어갈 말로 가장 옳은 것은?

Tactile communication is not entirely different from the sense of touch in humans. While insects have an underdeveloped nervous system compared to vertebrate animals, the principle of tactile communication is the same in that it must entail physical contact. Most people are familiar with the fact that honey bees perform dances to indicate the location and quality of surrounding food sources. However, because these dances take place inside the beehive, the visual qualities are irrelevant. Instead, the movements are perceived by the other bees through vibrations that are transmitted through the hive. Another example of tactile communication can be seen in a phenomenon known as ‘tandem running’. While walking in a line, ants will place their antennae on the ant in front of them. When they can _____ behind them, they stop and wait for the other ants to catch up.

- ① go back to the ants
- ② insist on moving fast
- ③ no longer feel the antennae of the ant
- ④ give up going on their own way

12. 다음 글을 읽고 추론할 수 없는 것은?

A hundred years ago, nearly every food item that was consumed came from local regions. Nowadays, however, because we often crave fruit that is either exotic or not in season, the average fruit or vegetable at your local grocery store has likely traveled hundreds or even thousands of kilometers from its place of harvest. To diminish this practice, the “locavore” movement has been steadily gaining momentum. Participants try to purchase only local food—that is, food that was grown in an area within a 160-kilometer radius from where it is sold. Not only does this help the environment by reducing gasoline consumption, but studies have also shown that shorter transit times help to preserve the quality and taste of the food.

- ① Members of the locavore movement go without exotic food items.
- ② Access to exotic food was greater a hundred years ago.
- ③ Food that is not in season takes more time to transport.
- ④ Food that is grown and delivered locally tends to be of good quality.

13. 다음 밑줄 친 단어와 의미가 가장 가까운 것은?

Electric cars also are a key part of China’s efforts to curb its unquenchable appetite for imported oil and gas, which communist leaders see as a strategic weakness.

- ① infallible
- ② aesthetic
- ③ insatiable
- ④ formidable

※ 다음 글을 읽고 물음에 답하시오. (18. ~ 19.)

Sand dunes are closely associated with areas of high aridity, and their formation depends on a steady supply of wind, loose sediment, and some form of obstacle that causes sediment to settle and accumulate. Dune enlargement is accomplished by several interrelated types of erosion: in saltation, medium-sized particles are catapulted into the air and transported horizontally, typically covering a distance of around four times their altitude while “bouncing” along the way. As they violently collide with the surface, they encounter larger particles that are too massive to be moved by wind, dislodge them, and roll them along the ground in a process known as creep. Additionally, bits of sand advance by way of suspension, whereby they are lofted high into the air and form massive dust storms that can completely obscure the distinction between the sky, the horizon, and the earth. Each of these modes of transport contributes to persistent accretion as the prevailing wind continually propels sediment up the windward side of the dune until the leeward side collapses. The fact that this subsidence often creates a slope of between 30° and 34° supports the assertion that there is an ideal angle, called the angle of repose, which makes the perpetual expansion of the dune feasible.

18. 위 글에서 퇴적물이 자리를 잡고 축적되는 이유로 가장 옳은 것은?

- ① the lack of a slope
- ② the presence of an impediment
- ③ the cessation of wind
- ④ the absence of erosive force

19. 글에서 사구의 확장에 최적인 각도가 존재한다는 주장을 뒷받침하는 것은?

- ① the reality that dunes typically occur only when certain environmental conditions are met
- ② studies that revealed leeward and windward sides of dunes have different compositions
- ③ data that suggests dunes form specifically in areas with consistent prevailing winds
- ④ the tendency of the slumping face of dunes to result in a fairly predictable slope

20. 다음 글의 밑줄 친 부분에 들어갈 말로 가장 옳은 것은?

Ancient manatees, remaining in the sea, had the abundance of food along the water's edge, and the species developed traits that would help survival in the changing habitat. Front limbs changed from legs into flippers, which were more useful for swimming. But nails, which are analogous to human fingernails, remained on the tips of the flippers. As on land, these nails are useful for grabbing objects underwater. Another significant set of changes relates to the structure of manatees' pelvic bones. In modern manatees, the entire bone has become smaller, and the left side usually weighs more than the right. The pelvic bone is also no longer attached to the spine. In both mammals and fish, these mutations are associated with the loss of limbs attached to the pelvis, such as hind legs. These limbs are a burden to manoeuvring in the ocean, so while the shrunken pelvis and undeveloped hind legs _____ on land, in the sea they provide an advantage. Manatees' hind limbs have, in fact, completely disappeared from their exterior bodies.

- ① are basically dedicating
- ② would be fatal mutations
- ③ can move more efficiently
- ④ are quite vulnerary