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Part 1 Listen and fill in the blank with no more than TWO WORDS.

Dolphins who according to some, are even (1) _____ than humans, have very well developed (and big) brains. Their brains are (2) _____ than these of chimpanzees, and they have actually developed in a different way as well. Primates, for example, including us, humans, have very big frontal lobes where planning and decision making takes place. The brains of dolphins have two hemispheres as well. However, theirs are (3) _____ into four lobes instead of three.

Dolphins too can plan and (4) _____ issues. They also show complicated emotions, and are very, very social. Scientists think that their brains have grown so big exactly because they are social, and constantly (5) _____ with each other.

Another sign of their intellect is their (6) _____. Dolphins talk to each other, and even have a way to (7) _____ themselves to other dolphins: sort of personal identification, which resembles the way people use (8) _____. There have even been (9) _____ with sign and sound languages being taught with comparative success to dolphins. Currently, scientists are trying to communicate with dolphins with special underwater equipment which makes whistling (10) _____.

Part 2 Choose the letter A, B, C or D to indicate the word whose underlined part differs from the other three in pronunciation in each of the following questions.

1. A. horn B. honour C. hippo D. habitat
2. A. computer B. comunication
C. command D. complicated

Choose the letter A, B, C or D to indicate the word that differs from the other three in the position of the primary stress in each of the following questions.

3. A. algorithm B. exterminate C. intelligence D. technology
4. A. a machine B. robot C. human D. fiction
5. A. a capable B. robotic C. industry D. futurist

Part 3
Vocabulary
and grammar

Choose the letter A, B, C or D to indicate the correct answer to each of the following questions.

1. Conservationists have been trying to look for ways to protect _____ areas
A. wild B. wildness C. wilderness D. wildlife
2. My neighbour is driving me mad! It seems that _____ it is at night,
_____ she plays her music!
A. the later – the louder B. the later – louder
C. the latest- the loudest D. later - louder
3. Some species like dinosaurs are classified as EX, meaning extinct, on the
_____ status scale.
A. conserving B. conserve C. conservation D. conservative
4. I'm only halfway through my homework. I _____ it before the teacher
arrives.
A. haven't finished B. won't finish
C. won't have finished D. didn't finish
5. After a long time, the deceased Monica was _____ by the future artificial
intelligence.
A. resurrected B. implanted C. navigated D. attacked
6. The computer corporation _____ malfunctioning products.
A. had their workers eliminate B. had their workers to eliminate
C. had their workers eliminating D. had their workers eliminated

Choose the letter A, B, C or D to indicate the word(s) CLOSEST in meaning to the underlined word (s) in each of the following questions.

7. A.I. algorithms can also help to detect faces and other features in photos sent to social networking sites.
A. categorize B. connect C. recognize D. remind
8. All techniques help medical doctors to discover subtle interactions between medications that put patients in jeopardy because of their serious side effect.
A. at risk B. in reality C. under control D. under pressure

Choose the letter A, B, C or D to indicate the word(s) **OPPOSITE** in meaning to the underlined word (s) in each of the following questions.

9. Kurzweil believes that there could be tiny robots called nanobots implanted into our brains to improve our memory.

- A. inserted in B. fixed in C. removed from D. replaced with

10. Smart robots have replaced humans in stressful and hazardous jobs and in assembly lines.

- A. dangerous B. risky C. safe D. perilous

Part 4
Reading

Choose the letter A, B, C, or D to indicate the correct word or phrase that best fits each of the numbered blanks.

MODERN SCIENCE

It seems entirely natural to us that there are teams of scientists in universities and other institutions around the world, attempting to (1) _____ the way the world works. However, it hasn't always been that (2) _____. Although the scientific method is now four or five hundred years old, the ancient Greeks, for example, believed that they could work out the cause of natural events just by the power of thought.

During the 17th century, more and more people began to realize that they could test their scientific ideas by designing a relevant experiment and seeing what happened. A lot of (3) _____ was made in this way by individual scientists. These men and women often worked alone, carrying out (4) _____ into many different areas of science, and they often received very little prize for their hard work. (5) _____ the beginning of the 20th century, though, it became clear that science was becoming more complicated and more expensive. This individual scientist disappeared, to be replaced by flighty qualified teams of experts. Modern science was born.

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|-------------------|--------------|---------------|-------------|
| 1. A. construct | B. create | C. discover | D. invent |
| 2. A. method | B. route | C. technique | D. way |
| 3. A. development | B. evolution | C. movement | D. progress |
| 4. A. discovery | B. education | C. experiment | D. research |
| 5. A. At | B. In | C. On | D. For |

Read the passage and choose the letter A, B, C, or D to indicate the correct answer to each question.

There are no more dinosaurs living on the Earth. They are extinct, which means there is no longer a certain kind of plant or animal living anywhere in the world. A species is a certain group of living organisms, like dinosaurs, humans, birds, and many others. Scientists believe many organisms, along with the dinosaurs, died out when a large asteroid collided with the Earth. The collision caused a mass extinction, which occurs at a faster rate over a very short time-period.

There are usually two reasons for the extinction of animals and other living things. The first is naturally, which may take place when animals do not adapt to natural changes in their environment. For example, if the habitat of a bird suddenly changes, and if the bird does not adapt, it could become extinct.

Examples of naturally occurring extinction may take place during a change in the climate. This took place during the Ice Age when the temperature of the Earth was much lower. During a natural extinction, the species may be eliminated by new predators that move into their environment. The food needed to survive may no longer be available.

Another example of this type of extinction was the woolly mammoth, a relative of the elephant, which died out 10,000 years ago due to climate change and the disappearance of its habitat.

The second reason for the extinction of animals is human interaction, which includes hunting and habitat destruction caused by people. An animal's environment may be destroyed by pollution or construction, such as the destruction of parts of a rainforest. Humans also overhunt sometimes wiping out an entire species. In addition, the moving of non-native species into an area where they are not usually found may lead to the extinction of another species.

Examples include the Dodo bird that became extinct due to overhunting and other animals moving into its environment. The passenger pigeon died out due to the destruction of its habitat, as well as overhunting. There are many animals that have become extinct, but when animals are in danger of becoming extinct, yet still survive, they are called endangered animals.

Endangered means a plant or animal is at risk of becoming extinct. This occurs when the population of a certain animal is so low that they are in danger of dying out forever and becoming extinct. The reasons for an animal to become endangered are mostly the same as for those that have become extinct. There are many animals in the world today that are on the endangered species list. Some are so in danger of becoming extinct, they can only be found in a zoo.

Some of the endangered animals in the world as of 2017 include the black rhino, found in Africa, where hunting has led to the decline of its population with fewer than 5,000 of them still surviving. The orangutan found in the country of Malaysia is a highly intelligent relative of the ape family, but it too has been endangered due to the loss of their habitat and overhunting. The blue whale is endangered and threatened by climate change, habitat loss, and poisonous substances in the water. Finally, two other endangered species examples include the Bengal tiger, giant panda, mountain gorilla, sea lions, and others.

6. All the following are endangered animals EXCEPT _____.
- | | |
|------------------|--------------------|
| A. Sea lions | B. Woolly mammoths |
| C. Bengal tigers | D. Giant pandas |
7. All the following are extinct species EXCEPT _____.
- | | |
|--------------------|---------------|
| A. Dinosaurs | B. Orangutans |
| C. Carrier pigeons | D. Dodo birds |
8. New predators moving into the environment may first lead to which of the following?
- | | |
|----------------------------------|------------------------------------|
| A. Extinction of another species | B. An increase in new food sources |
| C. Endangered species | D. Loss of land resources |
9. Which of the following best defines a mass extinction?
- | |
|--|
| A. An extinction that occurs at a faster rate compared to a typical extinction |
| B. An extinction of just one animal or plant species |
| C. An extinction in just one area of the world |
| D. All the above |
10. Hunting and habitat destruction are reasons for which of the following types of extinction?
- | | |
|------------|----------------------|
| A. Natural | B. Human interaction |
| C. Mass | D. None of the above |

Part 5
Writing

Choose the letter A, B, C, or D to indicate the sentence that best combines each pair of sentences in the following questions.

1. I did not turn on the television. I was afraid of waking the baby up.
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| A. I did not turn on the television for fear of waking the baby up. |
| B. I decided not to turn on the television in order to wake the baby up. |

- C.** I decided to turn the television volume down to avoid waking the baby up.
- D.** Waking up the baby, I could not continue watching the television.
2. Fossil fuels come from dead plants and animals. These plants and animals died millions of years ago.
- A.** Plants and animals that died millions of years ago become fossil fuels.
- B.** Fossil fuels come from plants and animals that died millions of years ago.
- C.** Fossil fuels were made from plants and animals that died.
- D.** Plants and animals died millions of years ago to become fossil fuels today.
3. Many industries today use highly automated vehicles. They can drive with almost no human intervention.
- A.** Although many industries today use many automated vehicles, they can drive without human intervention.
- B.** Many industries today use highly automated vehicles which can drive with almost no human intervention.
- C.** With almost no human intervention, many industries today can run highly automated vehicles.
- D.** When vehicles are highly automated in many industries, humans do not have to intervene in their operation.
4. People use pesticides and fertilizers. They want to increase crop production.
- A.** People want to increase crop production, so they use pesticides and fertilizers.
- B.** Unless people want to increase crop production, they use pesticides and fertilizers.
- C.** People want to increase crop production because they use pesticides and fertilizers.
- D.** People want to increase crop production, for they use pesticides and fertilizers.
5. Many elephants are poached. Their tusks are used to make valuable ivory objects.
- A.** As many elephants are poached, their tusks are used to make valuable ivory objects.
- B.** Unless many elephants are poached, their tusks are used to make valuable ivory objects.
- C.** Many elephants are poached because their tusks are used to make valuable ivory objects.
- D.** Many elephants are poached, so their tusks are used to make valuable ivory objects.