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다음 글의 빈칸에 들어갈 말로 가장 적절한 것은?¹ [20년 11월 30번]

Recent research suggests that evolving humans' relationship with dogs changed the structure of both species' brains. One of the various changes caused by domestication is (a/ an)_____ of the brain: 16 percent for horses, 34 percent for pigs, and 10 to 30 percent for dogs. This is because once humans started to take care of these animals, they no longer needed various brain functions in order to survive. Animals who were fed and protected by humans did not need many of the skills required by their wild ancestors and lost the parts of the brain related to those capacities. A similar process occurred for humans, who seem to have been domesticated by wolves. About 10,000 years ago, when the role of dogs was firmly established in most human societies, the human brain also shrank by about 10 percent.

다음 글의 밑줄 친 부분 중, 어법상 옳은 것은?² [20년 11월 30번]

Recent research suggests that evolving humans' relationship with dogs changed the structure of both species' brains. One of the various physical ①change caused by domestication is a reduction in the size of the brain: 16 percent for horses, 34 percent for pigs, and 10 to 30 percent for dogs. This is because once humans started ②to be taken care of these animals, they no longer needed various brain functions in order to survive. Animals who were ③feeding and protected by humans did not need many of the skills required by their wild ancestors and lost the parts of the brain related to those capacities. A similar process occurred for humans, who seem to have ④domesticated by wolves. About 10,000 years ago, when the role of dogs was firmly established in most human societies, the human brain also ⑤shrank by about 10 percent.

① a ② b ③ c ④ d ⑤ e

- ① reduction in the size
- ② variation in the usage
- ③ increase in the weight
- ④ development in the quality
- ⑤ complexity in the function



다음 글의 밑줄 친 부분 중, 어법상 어색한 것은?³ [20년 11월 30번]

Recent research suggests @that evolving humans' relationship with dogs changed the structure of both species' brains. One of the various physical changes caused by domestication is a reduction in the size of the brain: 16 percent for horses, 34 percent for pigs, and 10 to 30 percent for dogs. @This is because once humans started to take care of these animals, they no longer needed various brain functions in order to survive. Animals @who fed and protected by humans did not need many of the skills required by their wild ancestors and lost the parts of the brain related to those capacities. A similar process occurred for humans, who seem @to have been domesticated by wolves. About 10,000 years ago, when the role of dogs was firmly established in most human societies, the human brain also @shrank by about 10 percent.

- ① a ② b ③ c ④ d ⑤ e

다음 글의 제목으로 가장 적절한 것은?⁴ [20년 11월 30번]

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- ① Domestication that Causes Brain to Shrink
 ② Evolutionary Advantage of the Human Brain
 ③ The Brains of Dogs Shaped by Human Societies
 ④ New Studies Showing Humans' Relationships with Dogs
 ⑤ The History of Domestication of Farm Animals by Humans



주어진 글 다음에 이어질 글의 순서로 가장 적절한 것은?⁵

[20년 11월 30번]

Recent research suggests that evolving humans' relationship with dogs changed the structure of both species' brains.

(A) This is because once humans started to take care of these animals, they no longer needed various brain functions in order to survive. Animals who were fed and protected by humans did not need many of the skills required by their wild ancestors and lost the parts of the brain related to those capacities.

(B) One of the various physical changes caused by domestication is a reduction in the size of the brain: 16 percent for horses, 34 percent for pigs, and 10 to 30 percent for dogs.

(C) A similar process occurred for humans, who seem to have been domesticated by wolves. About 10,000 years ago, when the role of dogs was firmly established in most human societies, the human brain also shrank by about 10 percent.

- ① (A) - (C) - (B) ② (B) - (A) - (C)
 ③ (B) - (C) - (A) ④ (C) - (A) - (B)
 ⑤ (C) - (B) - (A)

다음 글의 요지로 가장 적절한 것은?⁶ [20년 11월 30번]

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- ① Humans have had a good relationship with dogs for a long time.
 ② Survival is the major factor to diversify the brain functions.
 ③ More and more animals have been domesticated by humans.
 ④ Domestication caused the brain of dogs and humans to shrink.
 ⑤ Wild animals have more various brain functions than domesticated ones.



다음 글을 읽고 물음에 답하시오. [20년 11월 30번]

Recent research suggests that evolving humans' relationship with dogs changed the structure of both species' brains. One of the various physical changes caused by domestication is a reduction in the size of the brain: 16 percent for horses, 34 percent for pigs, and 10 to 30 percent for dogs. This is because once humans started to take care of these animals, they no longer needed various brain functions in order to survive. Animal who were fed and protected by humans did not need many of the skills required by their wild ancestors and lost the parts of the brain related to those capacities. A similar process occurred for humans, who seem to have been domesticated by wolves. About 10,000 years ago, when the role of dogs was firmly established in most human societies, the human brain also shrank by about 10 percent.

위 글에서 다음 영영풀이의 빈칸 (A), (B)에 들어갈 적절한 어휘를 찾아 각각 한 단어의 영어로 어법에 맞게 형태를 고쳐 쓰시오. 7

· If something is (A) _____, it is set, placed, or attached in a way that is not easily moved.
· If you have a (B) _____ for a particular thing, you have the ability to do it, or the amount of it that you are able to do.

(A): _____

(B): _____

위 글의 내용을 다음과 같이 요약하였다. 빈칸 (A)~(C)에 들어갈 적절한 말을 각각 한 단어로 쓰시오. 8

Domestication has (A) _____ the size of the brain in both (B) _____ and animals, as they do not require various brain functions for (C) _____ due to being tamed.

(A): _____

(B): _____

(C): _____



주어진 글 다음에 이어질 글의 순서로 가장 적절한 것은?⁹

[20년 11월 30번]

Recent research suggests that evolving humans' relationship with dogs changed the structure of both species' brains.

(A) In other words, animals who were fed and protected by humans did not need many of the skills required by their wild ancestors and lost the parts of the brain related to those capacities.

(B) A similar process occurred for humans, who seem to have been domesticated by wolves. About 10,000 years ago, when the role of dogs was firmly established in most human societies, the human brain also shrank by about 10 percent.

(C) To be specific, as human started to domesticate dogs, the size of dogs' brains reduced by 10 to 30 percent.

(D) This is because once humans started to feed and take care of dogs, they no longer needed various brain functions in order to survive.

- ① (A)-(B)-(D)-(C) ② (C)-(D)-(A)-(B)
 ③ (D)-(C)-(B)-(A) ④ (D)-(B)-(A)-(C)
 ⑤ (C)-(B)-(D)-(A)

주어진 글 다음에 이어질 글의 순서로 가장 적절한 것

은?¹⁰ [20년 11월 30번]

Recent research suggests that evolving humans' relationship with dogs changed the structure of both species' brains.

(A) This is because once humans started to take care of these animals, they no longer needed various brain functions in order to survive. Animals who were fed and protected by humans did not need many of the skills required by their wild ancestors and lost the parts of the brain related to those capacities.

(B) A similar process occurred for humans, who seem to have been domesticated by wolves. About 10,000 years ago, when the role of dogs was firmly established in most human societies, the human brain also shrank by about 10 percent.

(C) One of the various physical changes caused by domestication is a reduction in the size of the brain: 16 percent for horses, 34 percent for pigs, and 10 to 30 percent for dogs.

- ① (A) - (C) - (B) ② (B) - (A) - (C)
 ③ (B) - (C) - (A) ④ (C) - (A) - (B)
 ⑤ (C) - (B) - (A)



다음 글의 빈칸에 들어갈 말로 가장 적절한 것은?¹¹ [20년 11월 30번]

Recent research suggests that evolving humans' relationship with dogs changed the structure of both species' brains. One of the various physical changes caused by domestication is a reduction in the size of the brain: 16 percent for horses, 34 percent for pigs, and 10 to 30 percent for dogs. This is because once humans started to take care of these animals, they no longer needed various brain functions in order to survive. Animals who were fed and protected by humans did not need many of the skills required by their wild ancestors and lost the parts of the brain related to those capacities. Domestication also changed humans _____ . About 10,000 years ago, when the role of dogs was firmly established in most human societies, the human brain also shrank by about 10 percent.

- ① just as we changed the non-human animals involved
- ② and a number of wild species were in danger of extinction
- ③ because it was commonly said that having a dog was like having a kid
- ④ helping manage loneliness and depression of patients in nursing homes
- ⑤ except for the case of dogs that can be traced back at least 15,000 years ago.

다음 글의 내용을 한 문장으로 요약하고자 할 때 빈칸 (A), (B)에 들어갈 말로 가장 적절한 것은?¹² [20년 11월 30번]

Recent research suggest that evolving human's relationship with dogs changed the structure of both species' brains. One of the various physical changes caused by domestication is a reduction in the size of the brain: 16 percent for horses, 34 percent for pigs, and 10 to 30 percent for dogs. This is because once humans started to take care of these animals, they no longer needed various brain related to those capacities Animals who were fed and protected by humans did not need many of the skills required by their wild ancestors and lost the parts of the brain related to those capacities. A similar process occurred for human, who seem to have been domesticated by wolves. About 10,000 years ago, when the role of dogs was firmly established in most human societies, the human brain also shrank by about 10 percent.

↓

Long-time (A)_____ of animals causes brain size to become (B)_____ because the brain functions needed for the wild life are failing.

- | | |
|----------------|------------|
| (A) | (B) |
| ① independence | evolved |
| ② independence | reduced |
| ③ independence | reproduced |
| ④ taming | reduced |
| ⑤ taming | reproduced |



다음 글을 읽고 물음에 답하시오. [20년 11월 30번]

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위 글의 밑줄 친 (A)the role of dogs was firmly established in most human societies가 의미하는 바로 가장 적절한 것은?¹³

- ① the role of dogs was domesticating humans
- ② the dog took the role of food for other humans
- ③ dogs and humans cooperated with each other in the past
- ④ the dog played the role of being domesticated by humans
- ⑤ the dogs' role changed from being domesticated to domesticating other species

위 글을 다음과 같이 한 문장으로 요약하고자 한다. <조건>에 맞게 빈칸을 두 단어로 채우시오.¹⁴

As the relationship between humans and dogs evolved, the species which _____ showed the reduction in brain size because it no longer needed brain functions to survive.

<조건>

- <보기>에 있는 단어 중 2개의 단어를 반드시 활용할 것.
- 필요시 단어의 시제 및 형태를 변형할 것.
- 반드시 <보기>에 있는 단어만을 활용할 것.

<보기>

be, establish, lose, need, require, suggest, change, domesticate, cause

→ _____



다음 빈칸에 들어갈 말로 가장 적절한 것은?¹⁵ [20년 11월 30번]

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Animals who were fed and protected by humans did not need many of the skills required by their wild ancestors and lost the parts of the brain related to those capacities. A similar process occurred for humans, who seem to have been domesticated by wolves. About 10,000 years ago, when the role of dogs was firmly established in most human societies, the human brain also shrank by about 10 percent.

- ① were free from stress and anxiety
- ② needed to have an ability to reproduce
- ③ began communicating with other livestock
- ④ had to reduce their size to live at a stable
- ⑤ stopped developing various brain functions for survival

다음 글의 괄호 (A), (B), (C) 안에서 문맥에 맞는 낱말로 가장 적절한 것은?¹⁶ [20년 11월 30번]

Recent research suggests that evolving humans' relationship with dogs changed the structure of both species' brains. One of the various physical changes caused by domestication is a(n) (A)[increase / decrease] in the size of the brain: 16 percent for horses, 34 percent for pigs, and 10 to 30 percent for dogs. This is because once humans started to take care of these animals, they no longer needed various brain functions in order to survive. Animals who were fed and (B)[protected / endangered] by humans did not need many of the skills required by their wild ancestors and lost the parts of the brain related to those capacities. A (C)[similar / different] process occurred for humans, who seem to have been domesticated by wolves. About 10,000 years ago, when the role of dogs was firmly established in most human societies, the human brain also shrank by about 10 percent.

- | | | | |
|---|----------|------------|-----------|
| | (A) | (B) | (C) |
| ① | increase | protected | similar |
| ② | increase | endangered | similar |
| ③ | decrease | protected | different |
| ④ | decrease | protected | similar |
| ⑤ | decrease | endangered | different |



다음 글의 내용과 일치하지 않는 것은? ¹⁷ [20년 11월 30
번]

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- ① 진화하는 인간과 개의 관계는 두 종 모두의 뇌 구조를 바꿨다.
- ② 연구대상 동물 중에서 돼지의 뇌 크기가 가장 크게 감소하였다.
- ③ 인간에 의한 사육이 시작되면 동물은 다양한 뇌기능이 더욱 필요하게 되었다.
- ④ 사육된 동물은 야생에서 필요했던 능력과 관계된 뇌 부분을 상실했다.
- ⑤ 늑대에 의해 길러진 인간의 뇌에서도 변화가 나타났다.



정답

1 ①

2 ⑤

3 ③

4 ①

5 ②

6 ④

7 (A) established
(B) capacity

8 (A) decreased
(B) humans
(C) survival

9 ②

10 ④

11 ①

12 ④

13 ①

14 was domesticated

15 ⑤

16 ④

17 ③