

Master (オールイングリッシュ授業)

● 大学・大学院レベルへのアカデミック英語(上級)を4技能統合インタラクティブで身につけTOEFL iBT®Test 100点以上をめざします。

テーマ (Reading)

高難易度の理解度、教養を必要とする、大学レベルの自然科学、歴史、社会学などの学術的な題材を採用。700Wordsほどの文章量。

Grammar & Structure

アカデミックな文章で頻出する難解な文法項目を取り上げ、練習・復習する。複雑でわかりにくい文章から、最も重要な情報を抽出する力を養う。

04 Environment

Read the following passage. Then fill in the diagram.

Naegleria fowleri Outbreak

In 2007, the number of reported cases of deaths from *Naegleria fowleri*, a rare amoeba that primarily resides in soil in the United States. The amoeba was found in water sources such as freshwater lakes and ponds that range from thirty-five degrees Celsius. *N. fowleri* was detected in warm water sources, but increasingly so in domestic water supplies, and recreational water sources as well. Environmental scientists were carried out in order to determine the causes of the outbreaks, which were linked to warm water, the amoeba's ability to propagate, and sudden changes in water temperature.

The amoeba attacks the human central nervous system via the mucous membranes of the nasal passage, the olfactory bulbs through the nose, it causes the loss of blood, and necrosis, which is the death of cells. From the olfactory bulbs, it reaches the brain through the nerve fibers. One of the first symptoms to emerge is a loss of the ability to smell and taste; following that, vision, headaches and fevers, and ultimately, coma and death. *N. fowleri* became an immediate concern as the first cases increased in the United States. Between 1962 and 1975, Centers for Disease Control and Prevention determined that *N. fowleri*-caused deaths took place in the United States. A sharp increase was noted: six cases were reported that year, marking almost a 250 percent increase. Scientists struggled to determine the cause.

Water stagnation was suggested as a cause. However, it was determined that *N. fowleri* could be found even in cold water. In an experiment conducted by Francine Marcia, amoebas were collected from homes in an Arizona town where there was an infection with *N. fowleri*. It was discovered that nineteen sites tested positive for the amoeba, particularly in the sink pipes. It has been speculated that the amoeba had had no history of freshwater swimming but had died due to the presence of *N. fowleri* in the water supply. The researchers suggest that *N. fowleri* can proliferate in parts of home water supplies, which was probably the cause of the outbreak.

Other research conducted in the southwestern United States showed that groundwater supplies were contaminated. Of the 188 wells sampled, sixteen percent tested positive for the amoeba.

8.3 • Reading • 'Naegleria fowleri'

● Key Question

1. The word 'sharp' in the passage is closest in meaning to

A) thin
B) pointed
C) violent
D) sudden

2. The above is an example of what type of text?

☐ 1 Fact
☐ 2 Negative Fact
☐ 3 Inference
☐ 4 Rhetorical Purpose

Which of the following statements are true? (Select all that apply.)

1. This type of question asks for the main idea (situation) in the passage. ☐ True / ☐ False

2. This type of question asks for the main idea (situation) in the passage. ☐ True / ☐ False

3. Correct answer choices may contain the word 'sharp'. ☐ True / ☐ False

4. Reading ONLY the sentence containing the word 'sharp' (situation). ☐ True / ☐ False

5. The following is an example of this type of question. ☐ True / ☐ False

● Summary

The passage discusses the outbreak of *Naegleria fowleri* throughout the United States. It attacks the human central nervous system. The *N. fowleri* outbreak was linked to warm water. Changes in the environment, such as the environment in high-volume wells and municipal water supplies, allowed the amoebas to propagate and spread. It is to be linked to environmental changes, such as the fluctuation in water temperature.

Speaking • Personal Preference • 'Q2'

GLC Original • p.Handout (answers: p.Handout Answers)

● Vocabulary

1. **pu** _ _ _ _ **spe** _ _ _ _ (coll) 人前で話す

2. **ess** _ _ _ _ _ **sk** _ _ _ _ (coll) 必要不可欠なスキル

3. **no** _ _ _ _ (n) 初心者 [A18]

4. **arti** _ _ _ _ _ (n) 言説 [A9]

5. **gen** _ _ _ _ _ (adj) 寛大な

6. **exc** _ _ _ _ _ (adj) 例外的な

7. **fi** _ _ _ _ (v) ソワソワする

8. **inte** _ _ _ _ _ (adv) 意図的に

9. **pr** _ _ _ _ **po** _ _ _ _ (coll) 適切な姿勢

10. **ge** _ _ _ _ _ (n) ジェスチャー [49]

You will have 15 seconds to read the prompt and plan a 45-second speaking response.

② How should a person increase their public speaking skills? (1) Attend a public speaking training course (2) Ask an experienced public speaker for advice (3) Practice giving short presentations in their classroom.

Speaking • Reading and Conversation • 'Q3'

GLC Original • p.Handout (answers: p.Handout Answers)

A Healthier Life

Many students have expressed their concerns about the nutritional value of our campus food and have given us many suggestions. As such, we will be implementing several changes throughout the year to help keep you, our students, happy and healthy. First, all campus buildings will have an additional vending machine installed with fresh produce and healthier snacking alternatives. We will monitor which items are the most popular and adjust the selection over time. Second, campus cafeterias and restaurants will no longer be offering large-sized drink cups for take-out and dine-in services.

Reading: Scan the reading passage (p.Handout) for the **main idea** and the major supporting **points**.

Listening: Listen to the conversation and note down the student's opinion about the announcement, and the specific **reasons and details** (s)he gives for holding that opinion.

テーマ (Speaking)

高得点を得るために論理的かつ具体的に解答する力が求められます。無駄のない言葉選びをし、その場での思考力を高める力を養います。

Independent Task

15秒の準備時間で自分の意見を述べる問題演習。

Independent Task

対話や講義を聞く、または文章を読みそれに対して意見を述べる問題演習。Reading力やListening力も求められる。