

## LÍNGUA INGLESA

**INSTRUÇÃO: Responder às questões 21 a 25 com base no texto 1.**

### TEXT 1

#### Thrilling Discovery of Seven Earth-sized Planets Orbiting Nearby Star

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01 A huddle of seven worlds, all close in size to Earth,  
02 and perhaps warm enough for water and the life it can  
03 sustain, has been spotted around a small, faint star in  
04 the constellation of Aquarius. The discovery, which has  
05 thrilled astronomers, has raised hopes that the hunt for  
06 alien life could start much sooner than previously thought.  
07 The next generation of telescopes are due to switch on in  
08 the next decade. Astronomers reported what looked like  
09 three planets in orbit around Trappist-1, a star they named  
10 after the Trappist robotic telescope in the Chilean desert  
11 that first caught sight of the alien worlds. The telescope  
12 did not see the planets directly, but recorded the shadows  
13 they cast as they crossed the face of the star.

14 It is the first time that so many Earth-sized planets have  
15 been found in orbit around the same star, an unexpected  
16 haul that suggests the Milky Way may be teeming with  
17 worlds that, in size and firmness underfoot at least,  
18 resemble our own rocky home. Researchers hope to  
19 know if there is life on the planets within a decade. Ignas  
20 Snellen, an astrophysicist at the Leiden Observatory in the  
21 Netherlands, who was not involved in the study, said the  
22 findings show that Earth-like planets must be extremely  
23 common. "This is really something new," he said. "When  
24 they started this search several years ago, I really thought  
25 it was a waste of time."

26 Astronomers are now focusing on \_\_\_\_\_ the planets  
27 have atmospheres. If they do, they could reveal the first  
28 hints of life on the surfaces below. The Hubble telescope  
29 could detect methane and water in the alien air, but both  
30 can be produced without life. David Charbonneau, a  
31 professor of astronomy at Harvard University who was  
32 also not involved in the \_\_\_\_\_ study, said a growing  
33 number of astronomers were getting excited about what  
34 he called "the M-dwarf opportunity" – the study of planets  
35 around such faint dwarf stars. "It's a fast track approach  
36 to looking for life \_\_\_\_\_ the solar system," he said.

Adapted from <https://www.theguardian.com/science/2017/feb/22/thrilling-discovery-of-seven-earth-sized-planets-discovered-orbiting-trappist-1-star>

### Questão 21

The last sentence of the second paragraph was taken out of the text. The alternative below which presents the right sentence is

- A) Thank God I was wise.
- B) I was very, very wrong.
- C) They told me to give up.
- D) In fact, I was auspicious.
- E) I can't say I was mistaken.

### Questão 22

The words that complete the blanks in the third paragraph are, respectively:

- A) if – latter – besides
- B) where – latest – over
- C) where – last – beyond
- D) whether – latter – besides
- E) whether – latest – beyond

**INSTRUÇÃO: Para responder à questão 23, considere as definições abaixo.**

Which definitions stand for the meanings the words "faint" (line 03), "cast" (line 13) and "hints" (line 28) have in the text?

Faint:

- 1. barely perceptible
- 2. possible but unlikely
- 3. lose consciousness for a short time

Cast:

- 1. cause to appear on a surface
- 2. act of throwing something forcefully
- 3. arrange and present in a specified form or style

Hint:

- 1. small amount
- 2. slight indication of the existence of something
- 3. suggest something without plainly asking or saying it

### Questão 23

The top-down sequence which shows the correct definitions for these words, in the text, is

- A) 1 – 1 – 2
- B) 1 – 2 – 2
- C) 2 – 1 – 3
- D) 2 – 3 – 1
- E) 3 – 2 – 3

### Questão 24

The word “resemble”, in “...resemble our own rocky home.”, line 18, could be replaced, without a change in meaning, by

- A) appear.
- B) look after.
- C) look as if.
- D) remember.
- E) remind us of.

### Questão 25

Consider the statements below and mark T (true) or F (false) according to the text.

- ( ) Ignas Snellen doubts Earth-like planets are highly common.
- ( ) When the search began, Ignas Snellen found it a vain attempt.
- ( ) Astronomers’ main goal at present is to find Earth-sized planets.
- ( ) The Hubble telescope having detected methane and water in the alien air does not imply the existence of life.

The alternative that shows the top-down correct sequence for the sentences above is:

- A) T – F – T – F
- B) T – F – F – T
- C) F – T – T – F
- D) F – T – F – T
- E) F – F – T – T

**INSTRUÇÃO:** Leia as perguntas abaixo para responder à questão 26.

- 1. Which conditions are needed for other planets to have life?
- 2. How did astronomers feel about the discovery?
- 3. What is the name of the star in the constellation of Aquarius inspired by?
- 4. How far away is Trappist-1?
- 5. How long will it take until astronomers can assure that there is life on the planets?

### Questão 26

The questions answered in the text are only

- A) 1 and 4.
- B) 3 and 5.
- C) 1, 2 and 3.
- D) 2, 3 and 4.
- E) 1, 2, 4 and 5.

**INSTRUÇÃO:** Responder às questões 27 a 29 com base no texto 2.

### TEXT 2



[www.google.com.br/search?q=earth+spin+humor+planet](http://www.google.com.br/search?q=earth+spin+humor+planet)

### Questão 27

In text 2, the possessive adjective “its” refers to

- A) each turn.
- B) the planet.
- C) the tiniest bit.
- D) counterclockwise.
- E) angular momentum.

### Questão 28

Some Latin or Greek nouns are kept the same in English. One example is the word “momentum”, in text 2. Many times the plural formation of these words do not follow the rules of the English grammar. All alternatives below show words in the plural, **EXCEPT**

- A) algae – bacilli
  - B) bases – nuclei
  - C) data – formulae
  - D) fungi – bacteria
  - E) analysis – stimulus
- 

### Questão 29

Observe the derivation process of the word “lengthen”:

length (noun) → lengthen (verb)

Which two verbs below have the same derivation process as the one described above?

- A) soften – tighten
  - B) deepen – stiffen
  - C) thicken – brighten
  - D) frighten – strengthen
  - E) sharpen – straighten
- 

**INSTRUÇÃO: Considere os textos 1 and 2 para resolver a questão 30.**

### Questão 30

Read the statements below and write

1. for text 1 only
  2. for text 2 only
  3. for both texts
- ( ) the text cites a galaxy.  
( ) the text tackles issues regarding astrophysics.  
( ) the text reveals a major breakthrough in astronomy.  
( ) the text depicts someone engaged in a physical task.

The correct top-down sequence to fill in the brackets above is

- A) 1 – 2 – 2 – 3
- B) 1 – 3 – 1 – 2
- C) 2 – 3 – 1 – 3
- D) 3 – 1 – 2 – 2
- E) 3 – 2 – 3 – 1