**Read the text.**

**High School Student Discovers New Planet**

When 17-year-old Wolf Cukier (0) accepted an internship at NASA's Goddard Space Flight Center in Maryland, last summer, he expected to be challenged and gain insights into pursuing a career in astrophysics. Instead, the high school junior from Scarsdale, New York, (1) attained worldwide fame for an achievement that most astronomers can`t do— finding a new planet! Even more impressive, Cukier made the discovery on the third day of his two-month-long internship at the US Space Agency.

The teenager came across the distant world while examining images of the variations in star brightness captured by NASA's Transiting Exoplanet Survey Satellite and uploaded to Planet Hunters TESS by amateur citizen astronomers. “About three days into my internship, I saw a signal from a system called TOI 1338. It turned out to be a planet.”

And it was no ordinary planet either. Further research by Cukier and a team of scientists from Goddard, San Diego State University, the University of Chicago, and other institutions revealed that TOI 1338 b, as it is now called, is a rare double-orbit planet — a world orbiting two stars.

The researchers, who (2) unveiled their findings on January 6, 2020 at the 235th American Astronomical Society meeting in Hawaii, believe that TOI 1338 b is about 6.9 times larger than Earth, or between the sizes of Neptune and Saturn. The experts assert that TOI 1338 b's two stars, which orbit each other every 15 days, vary in size. One is about 10 percent bigger than our Sun, while the other is cooler, (3) dimmer, and measures just one-third our Sun’s mass.

Not surprisingly, the Scarsdale High School senior is looking (4) to pursue a career in physics and astrophysics. When a reporter asked of his plans to seek out a job at NASA after his discovery, the youngster quipped, "I've no idea about NASA's hiring practices but it can't hurt! It's a good thing to have on my CV." He adds, “A career in space research is (5) appealing."

**Task A** Circle the word that can replace the underlined word without changing the meaning.

**Example:** (0)required expected admitted rejected

1. explored deduced derived reached [1]
2. announced evolved exhibited suggested [1]
3. brighter flatter matter weaker [1]
4. to accuse to continue to follow to hound [1]
5. attracting engaging inviting gripping [1]

**Task B** Complete the second sentence so that it has similar meaning to the first one. Do not change the word given.

**Example:**

Wolf Cukier made the discovery on the third day of his two-month-long internship at the US Space Agency.

The discovery…………………………………………………………………………………..

**Answer:** The discovery was made on the third day of his two-month-long internship at the US Space Agency by Wolf Cukier.

1. He expected to be challenged and gain insights into pursuing a career in astrophysics.

He was waiting for ………………………………………………………………………………….

 ………………………………………………………...……………………..............................…[1]

1. The teenager came across the distant world while examining images of the variations in star brightness.

The examination of the variations …………………………………………………………………

……………………………………………………………...…………………………………...... [1]

1. Further research by Cukier and a team of scientists and other institutions revealed that this discovery is a rare circumbinary planet.

According to ………………………………………………………………………………….........… ………………………………………………………………………………………………………………[1]

1. About three days into my internship, I saw a signal from a system called TOI 1338.

A system called TOI 1338 ………………………………………………………………………….

 ……………………………………………………………………...........................................…[1]

1. The experts assert that TOI 1338 b's two stars, which orbit each other every 15 days, vary in size.

The expert assertion about …………………………………………………………………………. .……….…..……………………………..…………………….……………..…...….………………………[1]

1. The Scarsdale High School senior is looking to pursue a career in physics and astrophysics.

Physics and astrophysics …………………………………………………………………………

 ………………………………………………….…………………….…………………………....[1]

1. When a reporter asked of his plans to seek out a job at NASA after his discovery, the youngster quipped.

The question about his plans ……………………………………………………………………..

……………………………………………………………………………………………………..[1]

1. I've no idea about NASA's hiring practices but it can't hurt!

My knowledge in……………………………………………………………………………………

 …………………………………………………………………………………………………….[1]

1. NASA`s working experience is a good thing to have on my Curriculum Vitae.

The one advantage ………………………………………………………………………………….

 ……………………………………………………………………………….…………………….[1]

1. The researchers, who unveiled their findings at the American Astronomical Society meeting, believe that the new planet is larger than Earth.

The researchers` belief, which…………………………………………………………………….

…….……………………………………………………………………………………………….[1]

**Task C** Answer the questions

1. According to the presented article, what was more impressive detail in the discovery of the New Planet by Wolf Cukier?

…………………………………………………………………………………………………..…[1]

1. What two elements does the New Planet have in the views of experts? Describe them using the information given in the text.
2. ……………………………………………………………………………………………..[1]
3. ………………………………………………………………………………………………[1]
4. Give two reasons that can prove the relevance of study the space and other planets in a contemporary world.
5. …………………………………………………………………………………… … ……………………………………………………………………………………………………………..[1]

2)…………………………………………………………………………………………………….[1]