

Read the following text:

DNA Can Change In Space

Have you ever heard of the term DNA? For those of you who have not, DNA is a long molecule that looks like a ladder twisted into a spiral. DNA contains our unique genetic code and is something like a recipe book because each DNA molecule holds the instructions for making all the proteins in our bodies. There are 3.2 billion bases of DNA in the body which makes our bodies very complicated to understand.

Recently it was discovered that DNA can change in space. The change is not very good though. When astronauts spend a long time in space, they do not get super powers. Instead, their DNA could become weak from the radiation in space and astronauts could get sick. Scientists made this discovery when they researched the blood of astronauts who gave blood before and after going into space.

Many countries are working on going to Mars and the moon. Companies are starting the business of space tourism. Scientists will do more research to study how space travel could harm our body. This could help NASA's new Artemis project which will send people to the moon for the first time since December 1972.

Reading Comprehension

Answer the following questions about the text:

1. DNA is a _____.

- a. molecule
- b. term
- c. spiral
- d. body

2. Why is DNA compared to a recipe book?

- a. Both of them are written in English.
- b. Both of them contain instructions.
- c. Both of them are very hard to understand.

3. Complete the missing question word:

_____ bases of DNA are there in the body?

- a. How much
- b. How many

4. What weakens the astronauts' DNA?

- a. The space
- b. The radiation
- c. Their blood

5. Mark TRUE or FALSE:

- a. Researchers examined astronauts' blood _____ true
- b. The USA is the only country working on going to Mars _____ false
- c. DNA is shaped as a spiral _____ true
- d. Artemis project took place in 1972 _____ false
- e. Space travel can harm people's bodies _____ true

6. In the sentence "When astronauts spend a long time in space, **they** do not get super powers" - what does the word "they" refer to?

- a. super powers
- b. radiations
- c. astronauts

Vocabulary

1. Read the phrase "... each DNA molecule holds the instructions..."

Which word can replace the word "hold"?

- a. leaves
- b. contains
- c. understands

2. What is the opposite of "unique"?

- a. usual
- b. different
- c. rare
- d. special

3. What are the singular forms of the following words?

astronauts -

countries -

instructions -

bodies -

people -

scientists -

Grammar

Write the following sentences in the PAST SIMPLE tense:

- 1. Have you ever heard of the term DNA?
- 2. Many countries are working on going to Mars and the moon.
- 3. The change is not very good though.
- 4. Scientists will do more research to study how space travel could harm our body.
- 5. When astronauts spend a long time in space, they do not get super powers.

