Afaq Language Center

The solar system

Preliminary 2 Unit 13

Reading Page 96

Language Center

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Join your groups and talk about following questions.

1) What are we looking at?
2) Would you like to travel into space? why? Why not?
3) Do you know how we can travel to space? /speɪs/



4 OUTSIDE THE EARTH [u]
the area beyond the Earth where the stars and planets are
in/into space

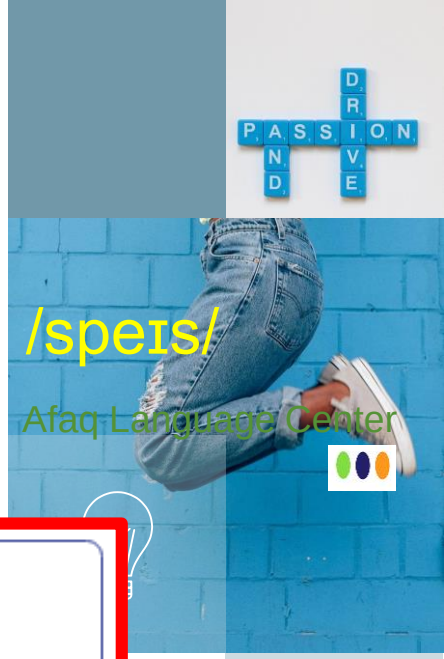
- Who was the first American in **space**?
- **space** travel/research/program

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the area beyond the Earth where the stars and planets are

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- Who was the first American in **space**?
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Grammar

Don't say 'the space' in this meaning. You say:

One day people will live in space.

✗ Don't say: One day people will live in the space.

Repeat

/ˌhʌbəl ˈteləskəʊp/



Hub·ble Tel·e·scope, the

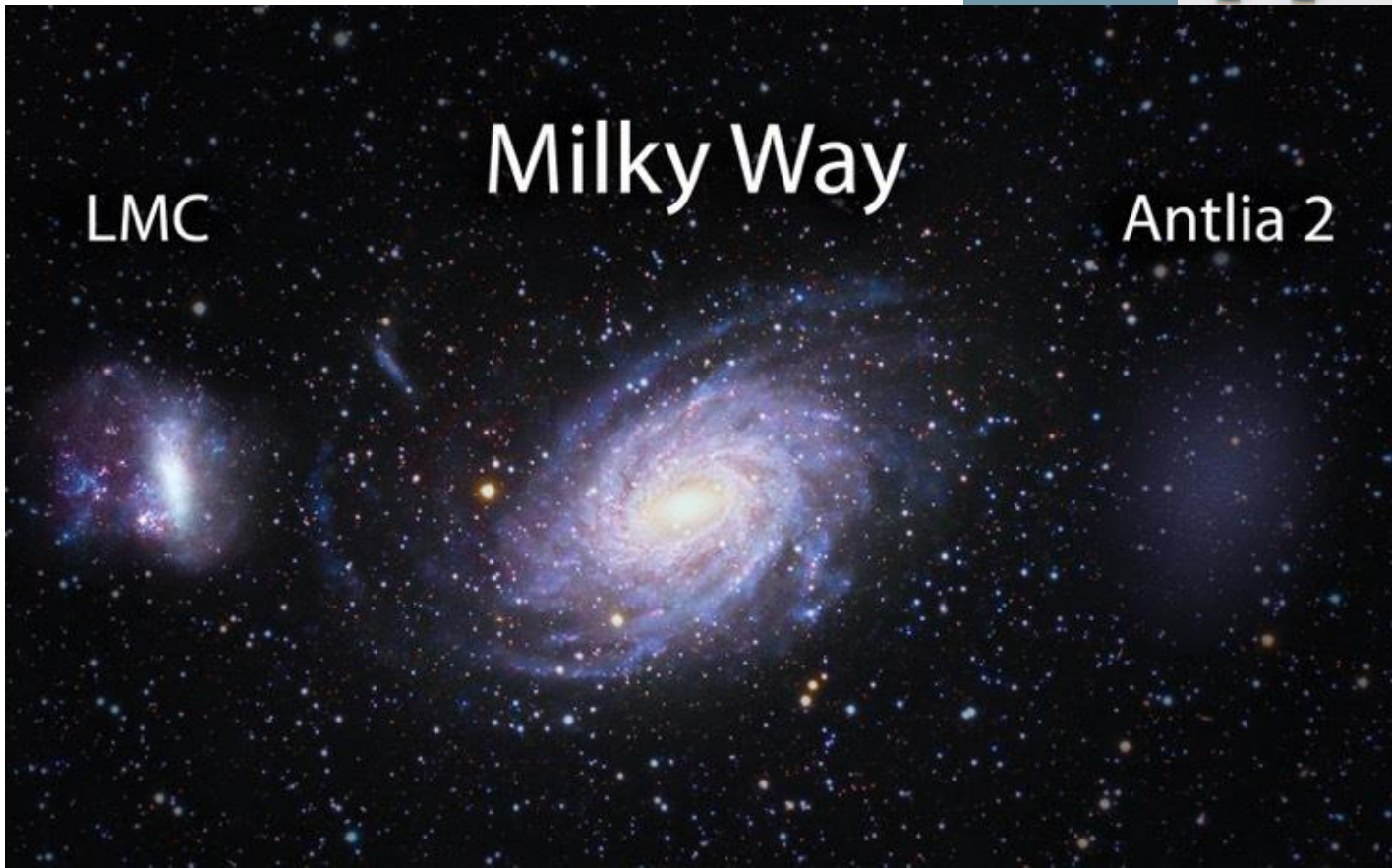
a very powerful telescope (=a piece of equipment for making distant objects look larger and closer) which is attached to a satellite in space, going around the Earth, and can see much further into space than telescopes on Earth



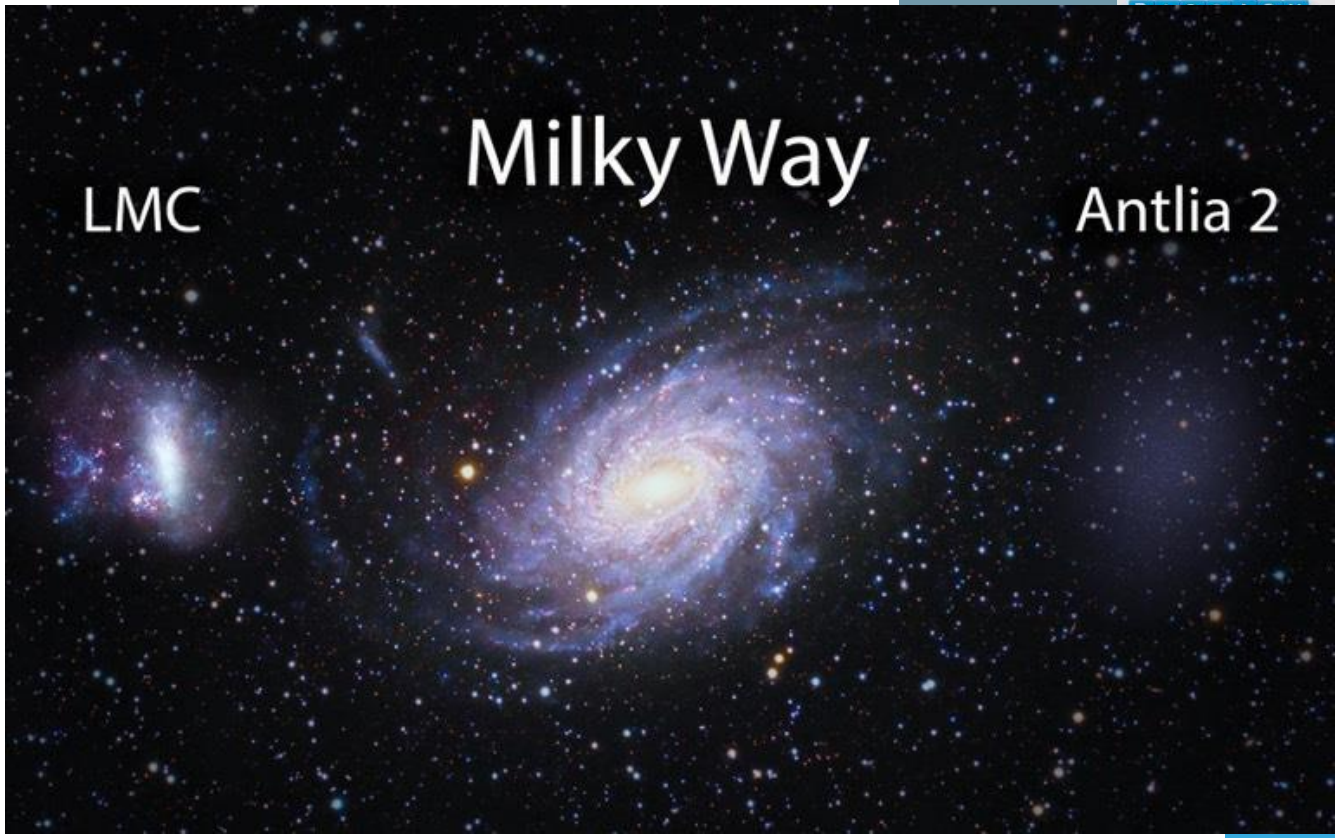
Repeat

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/ˈgæləksi/



gal·ax·y noun
(plural galaxies)
1 [countable] one of the large groups of stars that make up the universe



- Our **galaxy** is called the Milky Way.

Repeat

/ˈplænɪt/



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plan·et

noun [countable]

1 a very large round object in space that moves around the Sun or another star

- Mercury is the smallest of all the planets.
- Is there life on other planets?
- the future of planet Earth



► Don’t say ‘in a planet’. Say **on a planet**.

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repeat

/ˈkɒmɪt $ ˈkɑː-/



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com·et

noun [countable]

an object in space like a bright ball with a long tail, that moves around the Sun





Repeat /ˈspeɪs-krɑːft $ -kræft/



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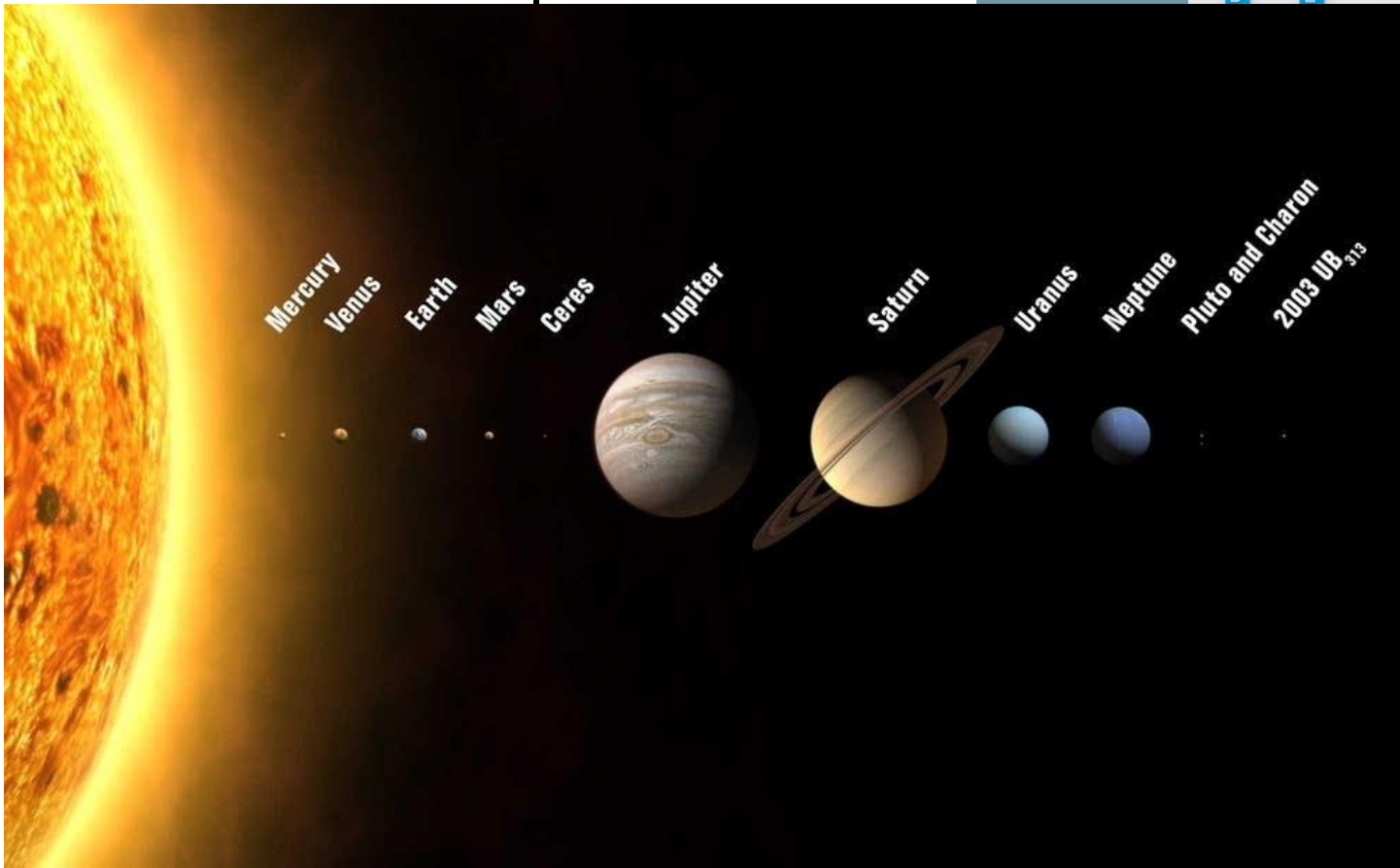
space·craft

noun (plural spacecraft) [countable]

vehicle that is able to travel in space



repeat ðəˈsoʊlər ˌsɪstəm

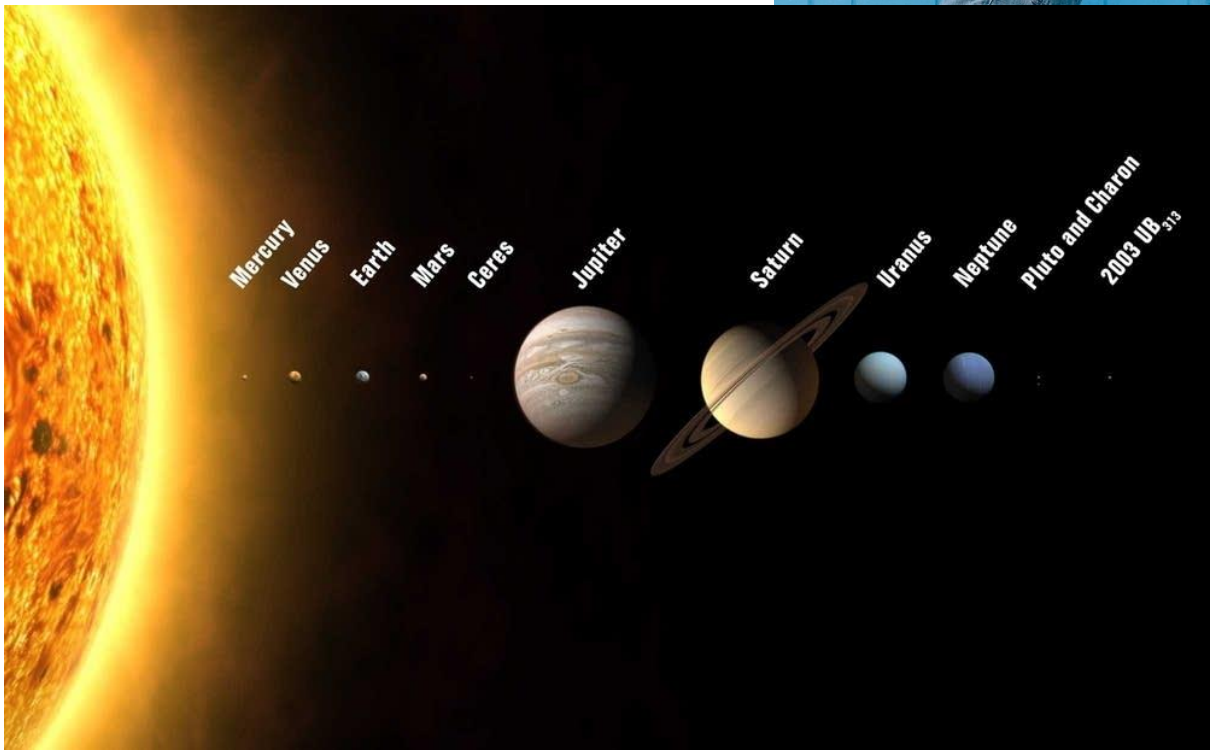


The solar system

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the Sun and the planets that go around it



repeat

/eə $ er/



air

noun

1 GAS [uncountable] the mixture of gases around the Earth, that we breathe

- Let’s go outside and get some fresh **air**.
- You need to put some **air** in the tires.

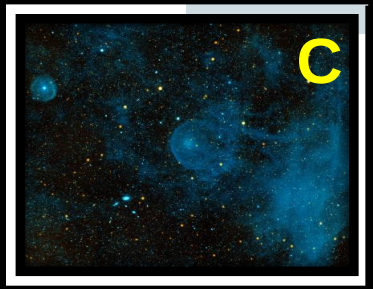


Match the photos with the words.

1. Moon
2. Comet
3. Telescope
4. Spacecraft
5. Planets
6. Galaxy
7. Star
8. Solar system
9. Air
10. space









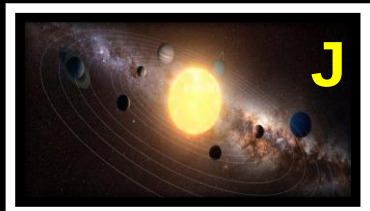














VOCABULARY

1 **Read the sentences below. Find the missing words in the wordsquare.**

S	P	A	C	E	C	R	A	F	T
P	L	A	N	T	O	E	S	P	A
A	A	I	R	S	Y	S	T	E	M
C	N	U	G	O	M	P	O	L	E
E	E	D	A	B	C	O	M	E	T
S	T	E	L	E	S	C	O	P	E
H	H	R	A	W	T	M	O	O	G
A	E	I	X	R	A	E	N	V	A
V	O	L	Y	T	R	A	S	P	O

1 From ___space___, the Earth looks blue and white.

2 Our _____ is the Earth.

3 We need _____ to breathe.

4 The Sun is in our solar _____.

5 Did you know that the Sun is a huge _____?

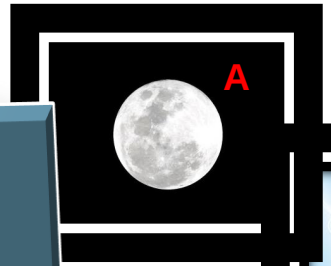
6 A _____ is a bright object in space with a tail of gas and dust.

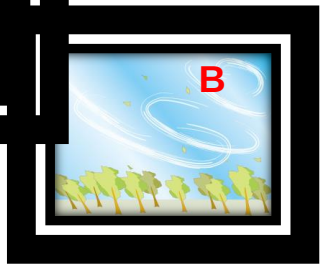
7 You need a _____ to go to space.

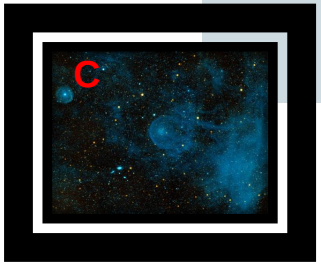
8 Our _____ is called the Milky Way.

1. Moon
2. Comet
3. Telescope
4. Spacecraft
5. Planets
6. Galaxy
7. Star
8. Solar system
9. Air
10. space

1. A
2. D
3. E
4. F
5. H
6. I
7. G
8. J
9. B
10. C



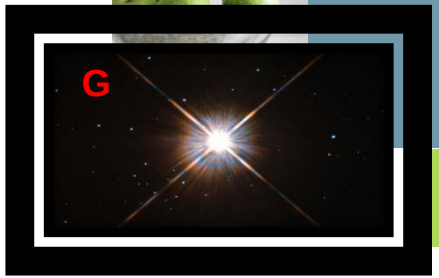






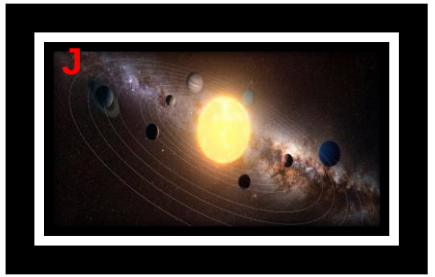












Fill in the blanks.

1) We can not see too many …… because they are too fast.
2) At night we can see the ……. in the sky.
3) We can look at stars with a ……. .
4)The Earth is one of the ……..
5) We see too many ……..in the sky at night.
6) We can travel to other planets with a ……. .
7) There are 8 planets in our …….. .
8) We can not be alive without …….. .
9) The solar system is in the …….. .
10) There is no air in …… .



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Answers

1) We can not see too many **comets** because they are too fast.
2) At night we can see the **Moon** in the sky.
3) We can look at stars with a **telescope** .
4)The Earth is one of the **planets**.
5) We see too many **stars** in the sky at night.
6) We can travel into space with a **spacecraft**.
7) There are 8 planets in our **system** .
8) We can not be alive without **air** .
9) The solar system is in the Milky Way **galaxy** .
10) There is no air in **space** .



Join your groups and guess what the text is about.

Try to use new words in your speaking

1. Moon
2. Comet
3. Telescope
4. Spacecraft
5. Planets
6. Galaxy
7. Star
8. Solar system
9. Air
10. space



Close your books.



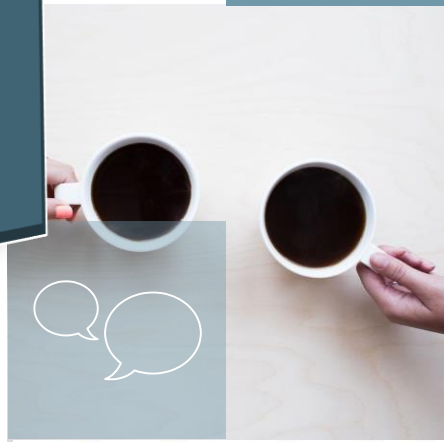
You will receive some information about space.
Listen to the audio and answer following questions.

1. Are there six planets in the solar system?
2. Is seventy percent of the Earth covered in water?
3. Can you see the Sun when night time comes?

Listen again and answer following questions.

1)How many planets are there in our solar system?
2)Why does the Earth look like a blue and white planet from space?
3)Why can we live on Earth?
4)What does the Sun give us?





Read the whole text then answer the following question.

1)How long does it take light to get from the Sun to the Earth?
2)How many stars are there in the Milky Way galaxy?
3)What do you need to study the stars?
4)What do you think the pictures are like from the Hubble telescope?

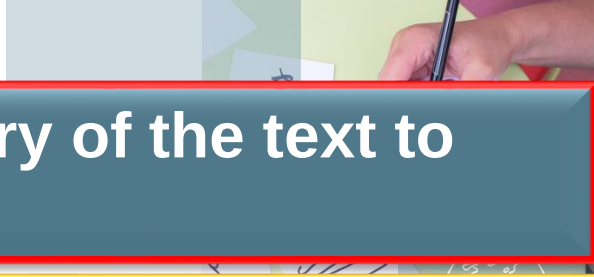
The solar system

In the solar system, there are eight planets and a huge star – the Sun. All the planets travel around the Sun. From space, the Earth looks like a blue and white planet. It looks blue because about seventy percent of the Earth is covered in water. The white parts are clouds.

We can live on the Earth because there is air all around it. This air lets us breathe. The Sun gives us heat and light. The Sun is very bright and it takes just over eight minutes for the light to reach the Earth. But you can't look at the Sun, even with sunglasses. You will hurt your eyes.

When night time comes, you won't see the Sun. You will see the Moon and the stars. The Moon goes around the Earth once a month. We only see one side of the Moon. You can only see the other side of the Moon from a spacecraft!

The stars are in the Milky Way galaxy and our solar system is part of that galaxy. The Sun is one of billions of stars in the galaxy. What will you need to study the stars? You will need a telescope. But your telescope won't be strong enough to see far into space. In 1990, scientists created the Hubble telescope and sent it into space. It is large and powerful and it sends us many pictures of space.



Now, read this part of the text. Tell summary of the text to your partner.

In the solar system, there are eight planets and a huge star – the Sun. All the planets travel around the Sun. From space, the Earth looks like a blue and white planet. It looks blue because about seventy percent of the Earth is covered in water. The white parts are clouds. We can live on the Earth because there is air all around it. This air lets us breathe. The Sun gives us heat and light. The Sun is very bright and it takes just over eight minutes for the light to reach the Earth. But you can't look at the Sun, even with sunglasses. You will hurt your eyes……..

Now, read the second part. Tell summary to your partner.

When night time comes, you won't see the Sun. You will see the Moon and the stars. The Moon goes around the Earth once a month. We only see one side of the Moon. You can only see the other side of the Moon from a spacecraft! The stars are in the Milky Way galaxy and our solar system is part of that galaxy. The Sun is one of billions of stars in the galaxy. What will you need to study the stars? You will need a telescope. But your telescope won't be strong enough to see far into space. In 1990, scientists created the Hubble telescope and sent it into space. It is large and powerful and it sends us many pictures of space.

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Pair work:
Ask and answer following questions.

1. What do you think of living on other planets?
2. Would you like to study space? Why?
3. What new facts did you learn about the solar system?



Homework

1)Write a short paragraph about what you have learned this session.(use new words)

1. Moon
2. Comet
3. Telescope
4. Spacecraft
5. Planets
6. Galaxy
7. Star
8. Sola system
9. Air
10. space

2-Search the Internet and find more information about space. You are going to share the information in class.

