

## UNIT-5

### 1. Recite and enjoy the poem.

#### The moon



The moon has a face like the clock in the hall,

She shines on thieves on the garden wall;

On streets and field and harbor quays.

And birdies sleep in the forks of the trees.

The squalling cat and the squeaking mouse,

The howling dog by the door of the house,

The bat that lies in bed at noon.

All love to be out by the light of the moon.

But all of the thing that things that belong to the day

Cuddle to sleep to be out of her way:

And flowers and children close their eyes.

Till up in the morning the sun shall rise.

- R.L. Stevenson

What if, you get up in the morning and it is dark around you.

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What if, right in the middle of a perfectly ordinary day, you look at the Sun and it slowly disappears.

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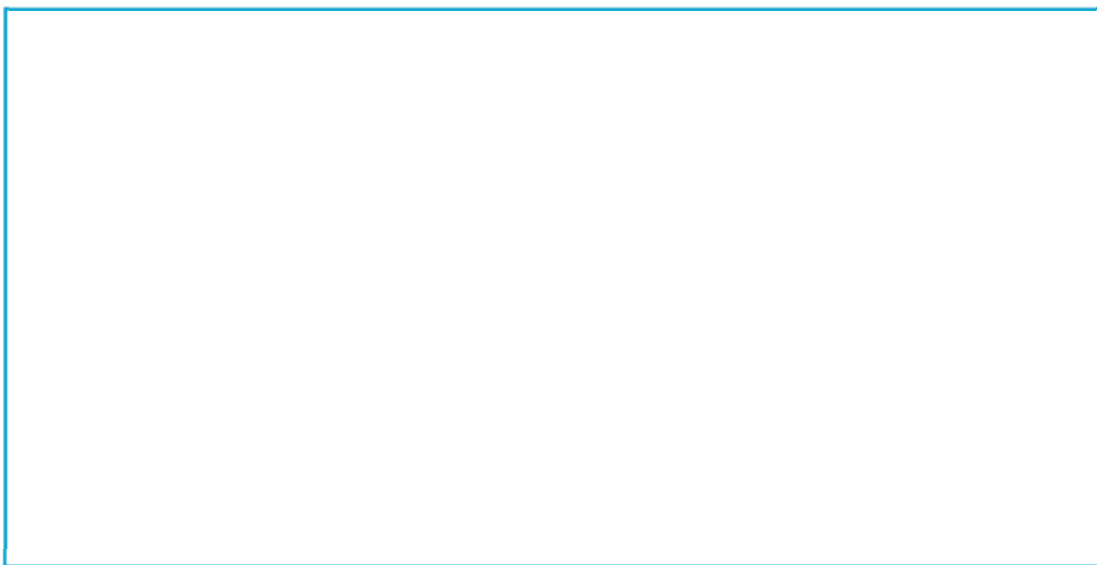
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You would be very shocked, wouldn't you? Unless you realize that you are watching a Solar Eclipse.

Sometimes the Sun and the Moon play hide and seek. It is an amazing and wonderful sight to see the Sun hiding itself behind the Moon during daytime.

- 2. Get some information about eclipse from the Science teacher. Draw a diagram of a SOLAR ECLIPSE.** (*See, Science and technology text book*)



So, how and why does a solar eclipse occur?

A solar eclipse occurs when the Moon comes between the Sun and the Earth. It blocks our view of the Sun and we have a solar eclipse. A small bit of the Sun disappears first, then slowly a large part of the Sun is hidden. Finally the Sun is totally hidden. This is a total solar eclipse. After sometimes, the Moon moves on, we can see the sun finally 'back', shining over the world.

If we can't see the half portion of the Sun, What is it called?

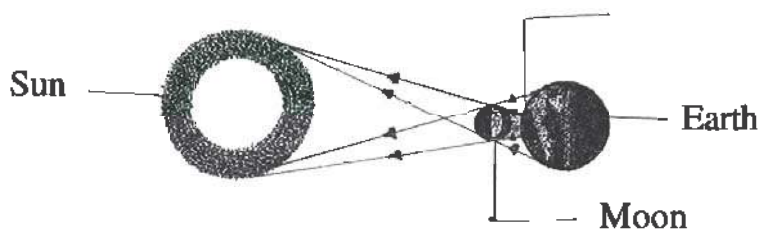
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**3. The sun is not the only one that has an eclipse. The moon does, too. The moon's eclipse is called the lunar eclipse.**

Look at the picture of a LUNAR ECLIPSE and write about it.



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4. Solar eclipse usually lasts for a couple of minutes but lunar eclipse can last for one or two hours.

From where do we get information of eclipses ?

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What do people do during an eclipse ?

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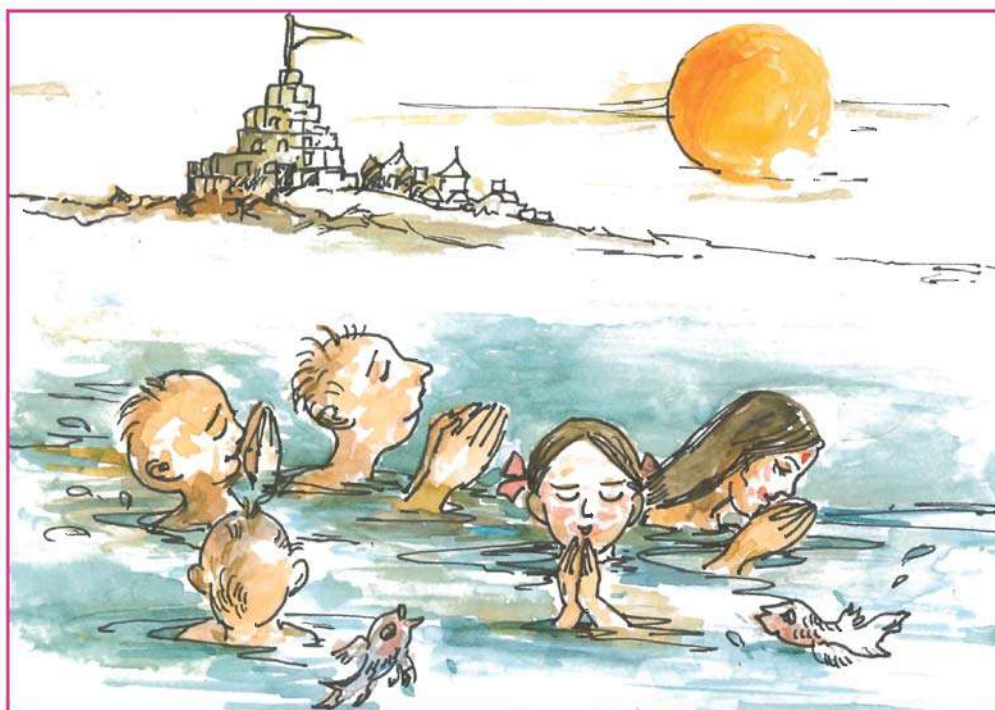
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In the old days, a lot of people did not come out from their houses during eclipse. They did not send their children to school, why?

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*People taking bath up to their neck and praying during a solar eclipse.*

In our country, people used to believe that a monster, called Rahu had eaten up the Sun during an eclipse. Many people used to immerse themselves up to their necks in water. They believed that such an activity protect them from the bad effects of the eclipse.



The chinese believed that an invisible dragon ate up the Sun. So they made a huge commotion to frighten away the dragon. The drummers beating drums and archers shooting arrows into the sky.

The Japanese believed that poison dripped from the sky during an eclipse. So they took care to keep all their wells covered.



In Africa, the eclipse myth tells us that a snake in the ocean grows and grows until it becomes large enough to fit in the ocean. Therefore, it ascends to the sky and swallows the Sun.

It is scared away by the beating of drums.

However, some eclipses have also had a good effect! There was an eclipse on 28th May 585 B.C. The armies of Lydians and Medas had been at war for five years. Suddenly, the solar eclipse took place, the two armies were so stunned. They declared peace and stopped fighting at once!



The Eskimos were said to regard a total solar eclipse as a good omen. They believed that during a solar eclipse the Sun came down to check the Earth's well being.



### Glossary

- **solar eclipse** - સૂર્યગ્રહણ
- **Invisible** - not visible
- **dragon** - કાલ્પનિક રાક્ષસ
- **commotion** - ખળભળાટ
- **swallows** - ગળી જવું. (ગળવું)
- **stunned** - દંગરહી ગયું.

### 5. Now it is your turn to find out the answer.

- (1) We should not look at the Sun directly during a solar eclipse, Why?
- (2) Which things are useful to see the solar eclipse?
- (3) Does a solar eclipse occur during night? Why?
- (4) When does a solar eclipse occur?
- (5) What was the Indian belief about a solar eclipse?
- (6) What is the position of the earth during a solar eclipse?
- (7) Say any one belief related with a lunar eclipse and a solar eclipse
- (8) Why did people make stories about eclipses that are different from scientific fact ?

**6. Say whether the following sentences are True or False.**

- (1) Eclipses are not natural phenomenon.
- (2) The Japanese believe that the solar eclipse is not a good omen.
- (3) The lunar eclipse may occur in a day.
- (4) The earth comes between the Sun and the Moon during lunar eclipse.
- (5) The solar eclipse is a bad omen for the Eskimos.

**7. Match the columns to complete the sentence.**

Column 'A'	Column 'B'
(1) The Chinese made a lot of noise during an eclipse	(a) the water would not be poisoned.
(2) Indian immerse themselves in water during eclipse	(b) stopped a war.
(3) In Japan people would cover their wells during an eclipse so that	(c) To protect themselves from bad effects during eclipse.
(4) An eclipse in 585 B.C.	(d) as a good omen.
(5) The Eskimos were said to regard a solar eclipse.	(e) to scare away the total solar eclipse dragon.

**8. Find the opposite of the underlined words and correct the sentence.**

- (1) She believed her duties included in a narrow range of things.
- (2) I heard a clear noise and went to see what was hearing.
- (3) His heart was thumping as he descended the stairs.
- (4) She felt visible in a crowd.

**9. Encircle the correct spelling in each group.**

- (1) occurs                      occur                      occure
- (2) fulfill                      fulfil                      fullfil
- (3) argue                      argeu                      agrue
- (4) pleusant                      plesent                      pleasant
- (5) decieve                      deceive                      dceiv

**10. Find the opposite of each word given below in the word search.**

1. Float
2. Listen
3. Ascend
4. Receive
5. Sleep
6. Remember

S	F	G	W	A	K	E
G	O	C	R	G	S	F
H	R	D	A	I	S	S
H	G	H	Y	V	I	A
D	E	S	C	E	N	D
J	T	A	D	K	K	S
S	P	E	A	K	R	E

**11. The sun is called *surya* in Gujarat and *aftab* in Urdu. Find out**

**What is it called in three more Indian languages?**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_



**12. Write about the difference between the Solar eclipse and the Lunar eclipse.**

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**13. Why are people afraid of eclipse? Because they do not know what happens during eclipse. Tell your friend about five things that you are afraid of.**

1. 

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2. 

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3. 

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4. 

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5. 

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**14. Read the following sentences about a solar eclipse. Arrange them into the proper order and make a paragraph.**

- [ ] The Sun is totally hidden.
- [ ] The moon comes between the Sun and the Earth.
- [ ] We have a solar eclipse.
- [ ] A small bit of the Sun disappears.
- [ ] It blocks our view of the Sun.
- [ ] Large part of the Sun is hidden.
- [ ] This is a total solar eclipse.

Now write a paragraph about lunar eclipse as well.

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**15. If Neil Armstrong visits your school. What will you ask him? Write here.**

1. 

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2. 

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3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

- 16. One day Mr. Sun decides to take a holiday. He disappears from the sky. It becomes dark and cold. What do you think might have happened when Mr. Sun took a holiday?**

**Discuss with your friend how the Earth would have looked without Mr. Sun shining over it. Write your thoughts below.**

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- 17. Visit the library and find out some more scientific truths about eclipses.**
- 18. Read the following paragraph and put punctuation marks at appropriate places. Use capital letters wherever needed. Add two more lines, too.**

Have you seen a solar cooker or a solar heater what is their sources of energy the sun the energy that we get from the sun is called solar energy this solar energy change into heat energy light energy electrical ennergy and muscular evergy they give off and heat light energy when they are burnt.

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- ◆ Study the following paragraphs. Make a list of the words changing in both the paragraphs in the given table. Frame two more paragraphs on your own in the given space.

Yesterday Heer got up at 6 o'clock in the morning. She had a cup of coffee. At 6:30 a.m., she left home and went to the school.

Tomorrow Heer will get up at 6 o'clock in the morning. She will have a cup of coffee. At 6:30 a.m., she will leave home and go to school.

eg. Yesterday	Tomorrow
got up	will get

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## Revision-2

1. Hello! Do you know about the Moon? If, yes, write some facts about the Moon.

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The Moon is round in shape like the Sun. It moves not around the Sun but the Earth. The Moon is the earth's natural satellite. Do you know what is a satellite? Write here....

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Seen from the Earth, the Sun and the Moon appear to be of the same size, Why? Write here.....

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We live on the Earth, it means there is life on the Earth, but there is no life on the Moon, Why?

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Do you know, why does the Moon seem to be changing its shape every night?

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The changing shapes of the Moon are called ? \_\_\_\_\_.

When the Moon is between the Earth and the Sun, we do not see it at all. This is called \_\_\_\_\_.

In two or three days' time, the Moon looks like 'C'. This is the \_\_\_\_\_.

Within a week, we see half of the Moon, it is called the \_\_\_\_\_.

When we see more than half of the Moon, it is called \_\_\_\_\_.

In two week's time we see the \_\_\_\_\_.

## 2. See the phases of the Moon and answer the questions.



Day-3



Day-7



Day-10



Day-14



Day-17



Day-21



Day-25

(1) When does the Moon shine?

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(2) Why does the Moon appear to change its shape everyday?

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(3) Why is the Moon called the Earth's natural satellite?

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(4) How many days does the Moon nearly take to go around the Earth?

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(5) How many days are there between new Moon day and the full Moon day?

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(6) Who was the first person to fly into the space? When?

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(7) Start observing the Moon and draw it here. Mention the date of your observation.

3. On New Moon day, a man's key was lost. He went to his nearby neighbour, an old lady's house. What happened there?

Complete the blanks with the help of given words.

(knee, kneel, knife, knitting, knob, knock, know, knuckle)

An old lady couldn't hear very well. She lived alone in a big house. One night she was \_\_\_\_\_ a pair of socks. There was a loud \_\_\_\_\_ on her door. The old lady opened the door. A man thrust a large \_\_\_\_\_ at her face. He said, "You \_\_\_\_\_ I have lost my key. Give me some keys if you have. The old lady looked at the \_\_\_\_\_ and said, "I don't want to buy more \_\_\_\_\_" She banged the door on the man's face. The door \_\_\_\_\_ hit the man and he \_\_\_\_\_ down.

4. Suppose you and your friend are playing a game. Suddenly, the power goes off. What will you do to get light to carry on the game? - Discuss and write.

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5. Here are the pictures of a sea-coast on the full Moon day. Suddenly, the atmosphere changes. What would have happened? Compare the pictures and write sentences.



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6. Here is a form for opening an E-mail account. Read it carefully and fill up the details with the help of your teacher.

Get started with mail

**First name:**

**Last name:**

**Desired Login Name:**  @gmail.com  
Examples: JSmith, John.Smith

**Choose a password:**  [Password strength:](#)  
Minimum of 8 characters in length.

**Re-enter password:**

☐ Stay signed in

☒ Enable Web History [Learn More](#)

**Security question:**    
If you forget your password we will ask for the answer to your security question. [Learn More](#)

**Answer:**

**Recovery email:**   
This address is used to authenticate your account should you ever encounter problems or forget your password. If you do not have another email address, you may leave this field blank. [Learn More](#)

**Location:**

**Birthday:**   
MM/DD/YYYY (e.g. "9/22/2011")

**Word Verification:** Type the characters you see in the picture below.

 &

Letters are not case-sensitive

**Terms of Service:**

Please check the Google Account information you've entered above (feel free to change anything you like), and review the Terms of Service below.

With Gmail, you won't see blinking banner ads. Instead, we display ads you might find useful that are relevant to the content of your messages. [Learn more](#)

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Welcome to Google!

1. Your relationship with Google

By clicking on 'I accept' below you are agreeing to the [Terms of Service](#) above and both the [Program Policy](#) and the [Privacy Policy](#).

I accept. Create my account.

**Ask the following questions to your friends:**

1. What is your E-mail address?

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2. How many characters are there in your password?

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3. What is your word verification?

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4. What is your security question?

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5. Minimum how many characters should be there to create a password?

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7. Write an e-mail to your friend that your teacher has taught about Nature's beauty.

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8. Write a small paragraph on "If I were a cell phone..."

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9. Find out tongue twisters from the library, write them and present them in the class.

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