

15-11-2021

# KNOWLEDGE DAILY

**Ignorance is always afraid of  
change. - Jawaharlal Nehru**



## See this year's last lunar eclipse on 19 November

On 19 November, you can see the last lunar eclipse of the year.

A lunar eclipse is when Earth moves between the Sun and the full Moon, blocking out the Moon. However, this time it will be a partial lunar eclipse. This means you will still see a part of the Moon.

This is the second lunar eclipse of the year and experts say that it is the longest one for this century. It will begin at 11:34 am IST on 19 November and will end at 5:33 pm. It will last a total of 6 hours and 1 min

The ending part of the event will be seen from parts of Arunachal Pradesh and Assam in northeastern India. Moreover, people in the US, Northern Europe, East Asia, Australia and the Pacific Ocean region can also see it. NASA says that a lunar eclipse can happen only up to 3 times a year.

### Full Moon

The full Moon in November is called the Full Beaver Moon. The name comes from an old belief that beavers start preparing for winter during this time

- This century, Earth will be experiencing a total of 228 lunar eclipses..



## DID YOU KNOW ?

- For her valuable contribution in the field of marine biology and environmental protection, Rachel Carson was awarded the Presidential Medal of Freedom in 1980
- Bhutan recently ended free entry for Indian tourists. Indian tourists will have to pay ₹1200 from July 2020 while visiting Bhutan.

Today we will read about a very special scientist named Rachel Louise Carson. She played an important role in the rise of environmental conservation movements in the 20th century.

Rachel Carson was born in Pennsylvania, the US on 27 May 1907. She was raised on a farm, where she learned to love and care for the environment. Young Rachel was also interested in writing, publishing a story at 11.

After studying Biology and Creative Writing, Rachel worked for 15 years as a biologist, scientist and editor in the US Bureau of Fisheries and then the US Fish and Wildlife Service. Her major research topic was oceans and ocean life.

## Leading by example – Rachel Carson



She also wrote many articles to raise awareness about the importance of protecting the environment.

What made Rachel Carson a great scientist and famous writer? It was a book titled *Silent Spring* (1962) that made Rachel one of the most celebrated environmental activists across the world. The book talked about the wide usage of pesticides and chemicals and how it was badly affecting plants and animals.

The name “*Silent Spring*” refers to the spring without birds’ songs, who died due to pesticides. Moreover, the book actually resulted in the ban of DDT (a dangerous pesticide) in the US.



Rachel Carson conducting research off the Atlantic coast in 1952



Rachel's childhood home. now preserved as a museum



## WORD OF THE DAY

Today's Word of the Day is "excoriate" and its verb meaning formal Criticize (someone) severely.

**Pronunciation:** /ɪk'skɔːrɪeɪt/

**Usage:** 'he excoriated the government for censorship'"

## SYNONYMS

criticize, find fault with, censure, denounce, condemn, arraign, attack, lambast, pillory, disapprove of, carp at, cavil at, rail against, inveigh against, cast aspersions on, pour scorn on, disparage, denigrate, deprecate, malign, vilify, besmirch, run down, give a bad press to

**ANTONYM** praise, approve of

**Origin** :Late Middle English from Latin excoriat- 'skinned', from the verb excoriare, from ex- 'out, from' + corium 'skin, hide'.

## Hindi Meaning

EXCORIATE= खाल खींचना [pr. {khal khinachana} ]  
(Transitive Verb)

गुंडों ने उसे पकड़कर आज पूरी तरह से उसकी खाल खींच ली

## ENGLISH CLUB

### Phrasal Verb- fill up

**Meaning:** to fill someone's stomach with food

**Usage:** am says there's nothing like a big bowl of hot porridge to fill you up in the morning.

### Today's Idiom itchy feet

**Meaning:** If you have itchy feet, you feel the need to go somewhere different or do something different.

**Usage:** It's no wonder Ken's got itchy feet. He's been doing the same job, in the same office, for nearly twenty years.

## Maths Puzzle

Suppose, you have 10 apples and 10 friends. You give each of your friends one apple. Now all your friends have one apple each. But there is still an apple left in the basket. How is this possible?



**Answer:** The question is actually very simple but makes us think in complicated ways. After giving 9 apples to 9 friends, give the 10th friend the basket along with the 10th apple in it. This is all that it takes to think differently.

## Science News

Date: November 11, 2021

Source: INSERM (Institut national de la santé et de la recherche médicale)

### Using mechanical tools improves our language skills, study finds

*Research has revealed a correlation between being particularly proficient in tool use and having good syntactic ability. A new study has now shown that both skills rely on the same neurological resources, which are located in the same brain region. Furthermore, motor training using a tool improves our ability to understand the syntax of complex sentences and -- vice-versa -- syntactic training improves our proficiency in using tools.*

