

All About Eclipses

A solar eclipse occurs when the moon appears between the earth and the sun and partially blocks the sunlight.

A lunar eclipse occurs when the earth appears between the sun and the moon and restricts the sunlight from reaching the moon.

Name the eclipse using the given clues and the Help box.

Help box

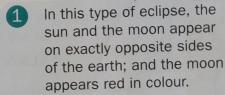
Total solar eclipse

Total lunar eclipse

Partial lunar eclipse

Partial solar eclipse

Annular solar eclipse





It occurs when the sun, moon and earth are not exactly in a straight line and as a result, only a small part of the sun



small part of the sun is covered by the moon's shadow.

Total Lunar eclipse

In this type of eclipse, the earth's shadow covers only a part of the moon.



In this type of eclipse,

In this type of eclipse, the moon covers the sun's centre, with only its outer edges being visible forming a ring of fire around the moon.



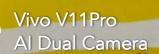
the moon completely blocks the sun.



Annular solar eclipse

Do You Know?

A lunar eclipse can occur only on the night of the full moon.



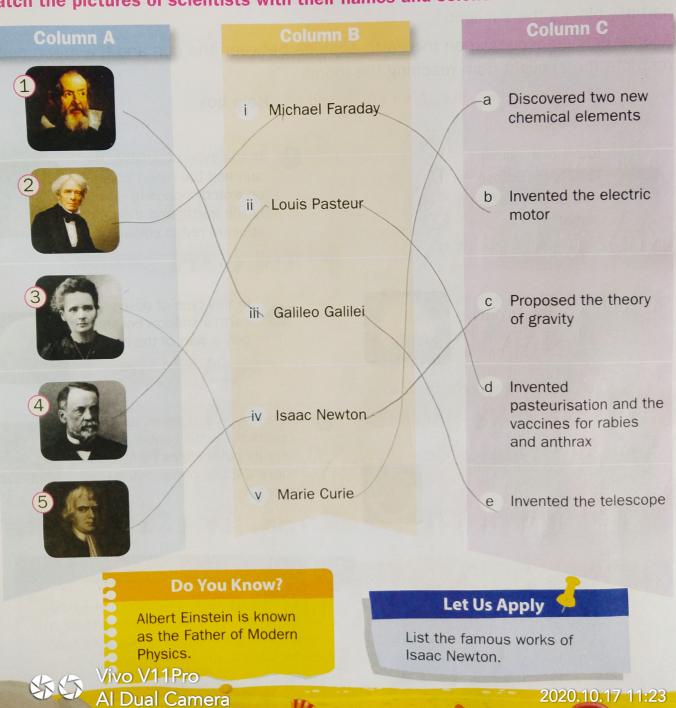
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Umbra is the darkest or the completely dark central portion of a shadow cast by the Earth or moon during an eclipse. What does the term 'penumbra' mean?



Scientists and Their Contributions

atch the pictures of scientists with their names and scientific contributions.





Beak Tales

Draw a line to match these birds with the features of their beaks.



Hawk



Dove



Duck



Cardinal



Woodpecker

This bird possesses a slim and short beak that helps it to feed on seeds, fruits, and plants.

This bird has a short and thick conical beak that helps in cracking open the seeds.

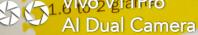
This bird has a peculiarly long beak with chisel-like features. This helps it to bore into barks and consume insects and tree sap by extending its barbed tongue.

The curved beak with razor sharp tip of this carnivorous bird helps it to tear its prey into smaller pieces, making it easy to swallow.

The flat beak of this bird helps it to strain the water from the sides when it consumes its food that includes aquatic plants and animals.

Do You Know?

The average weight of a bee hummingbird varies from 1.VIVO2Vg1a1Pro



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Storks are mute birds. They clatter their bills to communicate. The beak also helps them to catch their prey. Make a list of the food items that storks eat.



Literary Felicitations

Read the clues and write the names of these awards given in the field of literature, using the Help box.

Hugo Award

Help box

Guardian First Book Award

National Book Award Nobel Prize in Literature

Man Booker Prize

Pulitzer Prize

- Writer of a full-length novel in English language from a Commonwealth Nation, Ireland or Zimbabwe
- 2 The US award for achievement for those in newspaper, magazine or online journalism, literature and musical composition with 21 categories including journalism, letters, drama and music
- 3 Award given to first-time authors of English fiction and non-fiction books
- 4 US literature prize awarded in four categories fiction, nonfiction, poetry, and young people's literature along with two lifetime achievement awards
- 5 A prestigious literature award given to an author for their outstanding work
- 6 Award given for science fiction or fantasy and categories include Best Novel, Best Graphic Story and Best Fan Writer

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Pulitzer Poure

Guardian First &

National Book Award

Hugo Award

Do You Know?

Rabindranath Tagore was awarded the Nobel Prize for Literature in 1913.



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You have learned about some of the most prestigious literary awards in this chapter. Find the names of some recipients of these awards.



Mythical Creatures

Identify these mythical creatures and write their names using the Help box.



Help box

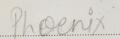
Werewolf

Dragon



Vampire







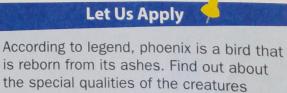








mentioned above. Which one do you find



the most impressive and why?

Mythical creatures are the ones that are made famous in folklore and myths. Conclusive evidence of their existence is yet to be found.

Do You Know?

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Coining New Words

Match the word in Column A with the two words in Column B using which it has been formed. Then, match the word with its meaning in Column C. The first one has been done for you.

	A		В		C
A1	Baggravation	B1	Breakfast + Dinner	C1	Printed collection of blog posts
A2	Blook	3 B2	Bag + Aggravation	C2	A news article presented in the form of charts, images or graphics
A3	Charticle	B3	Hungry + Angry	C3	Usual breakfast dishes in evening
A4	Brinner	B4	Sheep + People	C4	Annoyance at airport when your bag arrives last on the luggage belt
A5	Hangry	B5	Chart + Article	C5	Unquestioning followers
A6	Sheeple	B6	Blog + Book	Ç 6	Anger because of extreme hunger

Do You Know?

Like all other areas of study, language is also constantly evolving. As a result, each year new words that are coined and popularly used are added to the dictionary.

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Words created by blending the sounds and mea two words are called portmanteau words.

Combine the following words to create portmanted • Chill + Relax

110

- Breakfast + Lunch
- Information + Entertainment



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Prefixes and Suffixes

Use the words in Column A before or after the words in Column B to create new meaningful words.

Column A	Column B	Column C
1 Re	Match	return, rematch, relock, redo, remount, reprint
2 Mis	Turn	match, mismanage, misperint
3 Able	Manage	manageable, lockable, doable mountable, peantable undo, unlock, unhappy
	Lock	mountable, peantable
4 Un	Do	undo, unlock, unhappy
5 Er	Mount	happier, manager, docr, pointe
6 Under	Water	under water, underage
	Нарру	· · · · · · · · · · · · · · · · · · ·
7 Dis	Honest	dismount, dishonest
8 Less	Print	matchless, noticeless, ageliss
9 Ed	Age	matched, turned, managed, locked mounted, watered, printed, ages

Do You Know?

The letters added in front of the root words are called prefix and the ones added after the root word are called suffix.

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Over the next two days, make a note of prefixes and suffixes you use most frequently in your conversations.



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ords:

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I Play...

Draw a line to match these players with the sport they are associated with.



Dwight Howard



Diego Maradona



Harmanpreet Kaur



Steffi Graf





Andy Murray



Maya Moore



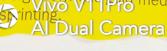
Rahul Dravid



Cristiano Ronaldo

Do You Know?

Usain Bolt is the first man to win eight. Olympiq Fold medals



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It is never too late to pick up a new hobby. There are many examples of sports personalities who excelled a more than one sport. Find out some such examples.



A Small Step

Tick (\checkmark) the most environment-friendly options in the following situations.

1	You scraped your knee and tore your brand new trousers.	
	a. Get similar ones from the market	
	b. Keep wearing the torn ones	
	c. Request your mom to turn them into shorts	0
2	You are going out on a sunny afternoon.	
	a. Carry a water bottle along	0
	b. Buy one when you feel thirsty	
	c. Keep tolerating the thirst till you return home	
3	You are serving lunch for yourself.	
	a. Take everything that is available even if you do not want to eat it	
	b. Take only as much as you can eat and go back for a second serving	V
	c. Throw the leftovers in the trash can	
4	The drawing you made is not satisfactory.	
	a. Tear the page and draw another	
	b. Turn the page over and use the other side	8
	c. Give up trying	cted
5	Your elder sibling gets a growth spurt and many of his new clothes get wa	Sieu.
	a. Wear their clothes happily	
	b. Wear their clothes grudgingly	
	c. Refuse to wear them Your younger sister likes to brush only with a running tap.	
6	Fundain how this is wastage and convince her to turn it off	N
	I would have so that she would at least brush	
	Day har from brushing her teeth	
	Do You Know? Let Us Connect	

Earth Hour is an annual movement organised by the World Wide Fund for Nature (WWF). Here, people are encouraged to switch off all the electrical appliances that they can for an hour to pledge solidarity to conserving the environment.

Despite being young, there are numerous ways in which children can save resources. Look around and find out some of the ways in which you can contribute.



AIDS

NASA

NOIDA

SUV

LCD

(4)

5

6

(7

Acronyms

Acronyms are words formed from the initial letters of other words and pronounced as they are spelled, not as separate letters. For example, North Atlantic Treaty Organisation is abbreviated as NATO.

Write the full forms of the following acronyms.

United Nations Educational, Scientific and Cultural Organisation (1) **UNESCO SCUBA**

Self-Contained Underwater Breathing.

Acquired Immune Deficiency Syndrome.

National Geronautecs and Space

United Nations International Children's

Men Okhla Industrial Development

Sports Utility Vehicle Liquid Crystal Display.

Do You Know?

Acronym comes from two words acro meaning 'beginning' and onym meaning 'word name'.

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Make a list of five more acronyms in addition to those learnt here.

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