



HUMAN EVOLUTION

Australopithecus

Human elephant conflict is a rising trend in Asia, accidents, electrocution, poisoning, accidental deaths like falling into pits and even lightning strikes have led to the death of many elephants.

Fueled by a combination of a population boom and poverty, man has expanded his footprint, while animals have found their jungles degraded, shrinking and enclaved habitats have led to man-elephant conflicts.

Local villages are sensitized regularly and fire crackers because oil torch light and batteries are distributed among the villages in the conflict prone areas to support them. For long term solutions, the government need to focus on habitat restoration in some key elephant landscape and plan development projects accordingly so as to avoid further human elephant conflicts.

What are Rhino horns made of?

Rhino horns is made up of keratin - the same protein which forms the basis of our hairs and nails. Their horns grows continuously during their lifetime - the white rhino's horn can grow 7cm every year and the record length is 150cm long.

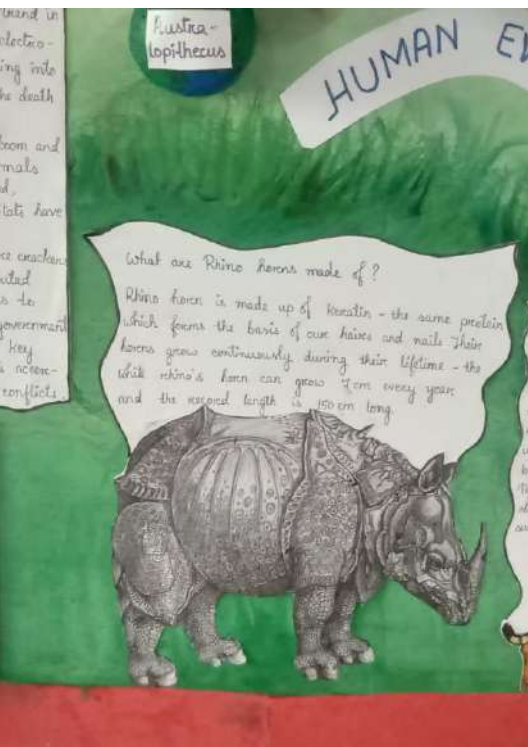
Homo Sapiens Sapiens

But is a fragile molecule and it is to cause extreme stress during transcription. There are many repair mechanisms that correct some damage but repair we carry helpful mistakes. The mutations cause the DNA. While others are helpful. While others are harmful. The cancer it can be helpful. While others are harmful. The cancer it can be helpful. While others are harmful.

Why do tiger have stripes?

The tiger stripes on marking play an important role. Their vertical stripes, which range from brown to black are an example of what biologists call disruptive coloration. They help break up the cat's shape and size so it blends in with trees and tall grasses. Tiger are solitary cats that rely on stealth and camouflage to hunt and survive.

Editorial Board
 Zoology, CECS U.G. Students (2022)
Adviser:
 ① Apurajita Rabha.
 ② Prathimori Rabha.
 ③ Jugal Kishore Talukdar.



Newly discovered primate

A monkey that is new to science has been discovered in the remote forests of Myanmar. The Popa langur, named after its home on Mount Popa, is critically endangered with numbers down to about 200 individuals.

Langurs are a group of leaf-eating monkeys that are found across South East Asia. The newly described animal is known for its distinctive spectacle like eye patches and greyish coloured fur.

OCTOPUS

Coollest thing: An Octopus can change the colour of its entire body in just three - tenths of a second. But the Cuttlefish doesn't simply take on the general pattern of its surroundings.

When an octopus gets harassed it will eject dark ink that will confuse their predators and help them escape. The blue winged octopus venom is fatal & its bite is painless. It is the largest Octopus species Deep Sea Octopuses can't produce asexual females. Female Octopuses die after their eggs have hatched because Octopus can regenerate their arm if it is lost. The octopus eyes are located at the top of its head. The octopus breathes through its gills. The genus *Vulgate* is the most common.

The giant Pacific Octopus has a diameter of 1.5m. Making may take 10 years. They live in the deep sea. The octopus is an invertebrate which means that it has no backbone. The octopus has 2 hearts.

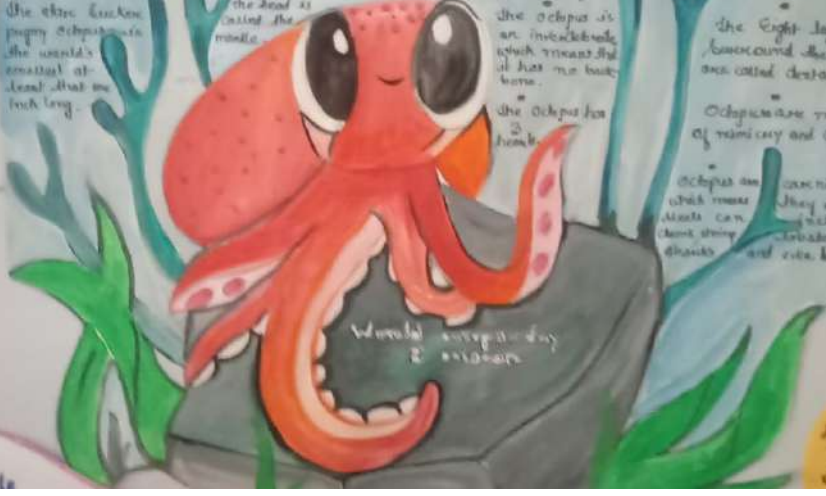
The eight legs that surround the head are called tentacles.

Octopuses are masters of mimicry and camouflage.

Octopus are omnivores which means they eat most kinds of food. They can break down fish and other animals.

The blue bucket puppy octopus is the world's smallest at least that one inch long.

The head is called the mantle.



World's smallest puppy octopus

... as megabat species there at night so much on insects

Did You Know?

Weird But True!

Have you ever heard the phrase 'blind as a bat'? Well to describe someone who can't see very well? Well this old saying is totally inaccurate, as bats have good eye sight as well as awesome hearing.



Why can they fly?
Their skeleton is reducing the body weight as it has hollow bones which actually does help the birds in flying too. The birds also have a stream lined body which helps them to fly smoothly.

Why mosquitoes are so annoying?
1) Mosquitoes are the world's deadliest animal.
2) Mosquitoes can have life for 1-2 years.
3) Mosquitoes are the only female mosquito that can bite.

DNA is limited

Butterfly Life Cycle

Eggs



Larva



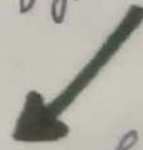
Chrysalis

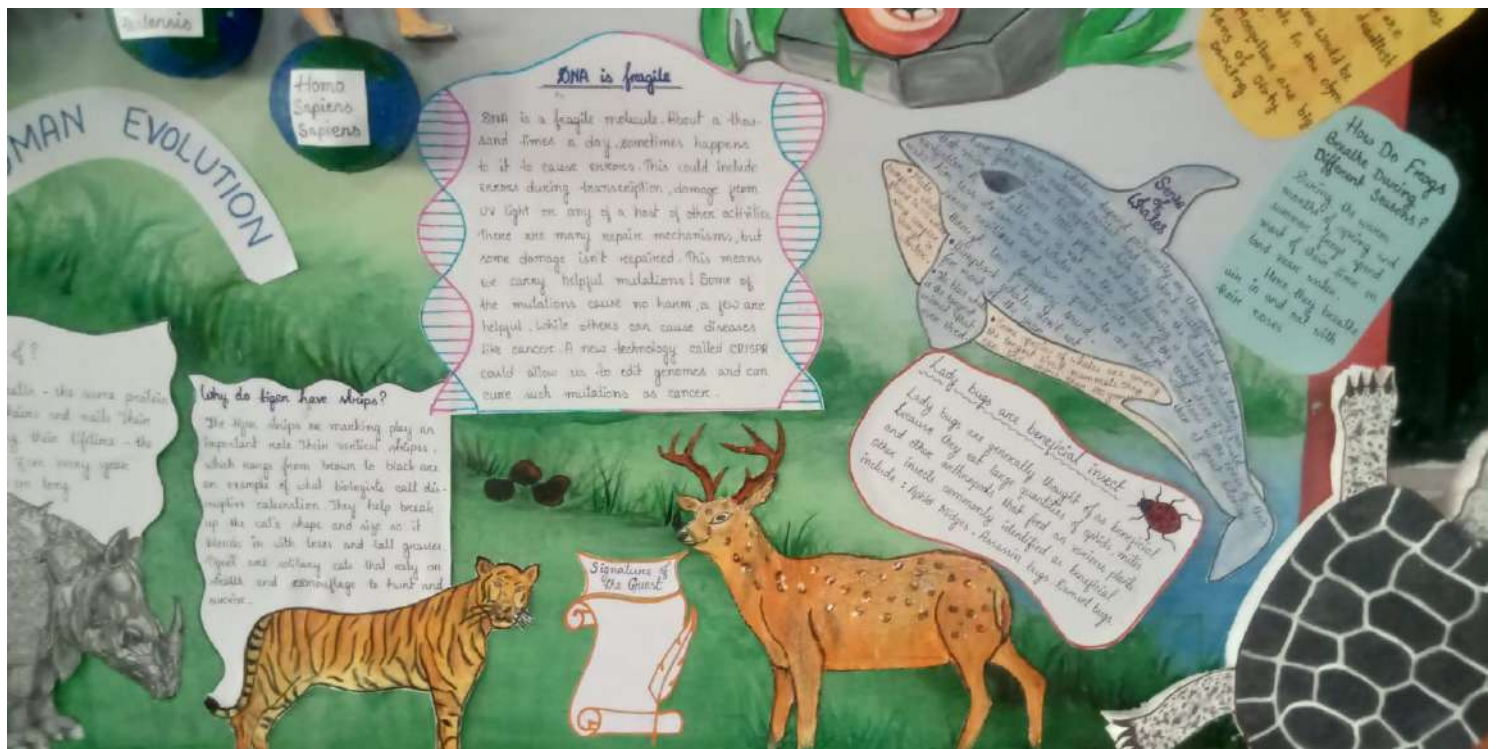


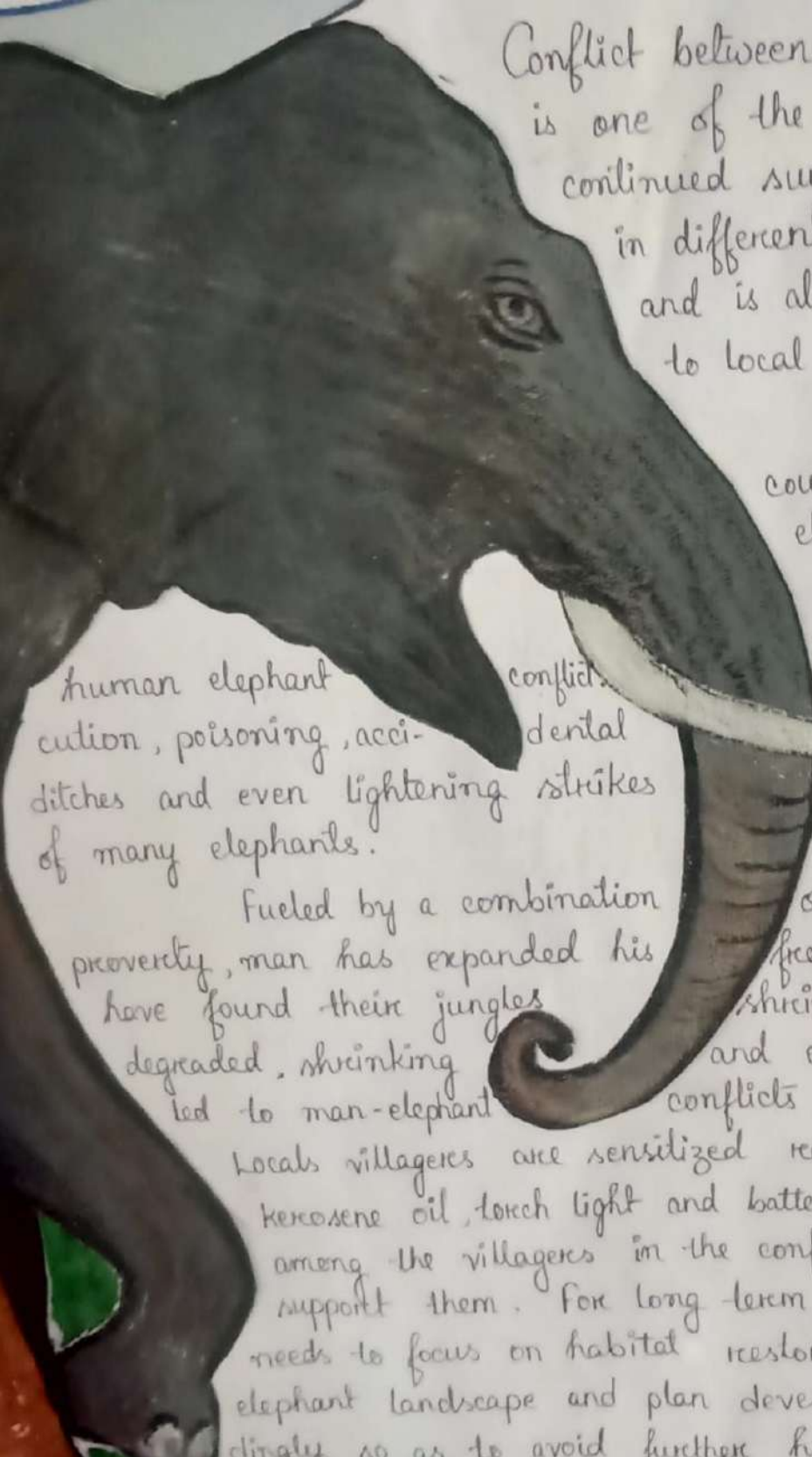
Adult



The butterfly starts its life as an egg. Soon the egg opens and a caterpillar comes out. The caterpillar eats plants and grows fast. Then the caterpillar makes a hard shell around its body called a chrysalis. Inside it the caterpillar changes into a pretty butterfly. Then the butterfly flies away.







Conflict between people and animals is one of the main threats to the continued survival of many species in different parts of the world, and is also a significant threat to local human populations.

Assam which has the country's second highest elephant population is facing a rising trend in train accidents, electro-deaths like falling into have led to the death

human elephant conflict. cution, poisoning, accidents and even lightning strikes of many elephants.

Fueled by a combination of a population boom and poverty, man has expanded his frontiers, while animals have found their jungles shrinking. Fragmented, degraded, shrinking and encroached habitats have led to man-elephant conflicts.

Locals villagers are sensitized regularly and fire crackers, kerosene oil, torch light and batteries are distributed among the villagers in the conflict prone areas to support them. For long term solutions, the government needs to focus on habitat restoration in some key elephant landscape and plan development projects accordingly so as to avoid further human elephant conflicts.

the Venom.
Pacific Octopus
us has decan-
ring may take
me. Octopus
the top of its
the most common
the Eight legs that
around the head
called tentacles.

Octopuses are masters
mimicry and camouflage.
They are can mix colors,
messes they eat meat,
can include
crayfish, lobsters, fish,
and even kinkajou.



Sense of Whales
primarily on the sound
and so don't really need to
see and hearing is water
and sound travels better
in water than in air and
they are among
mammals that
can breathe

Why Birds can fly?
Their skeleton helps in reducing their body weight as it has hollow bones which actually does help the birds in flying too. The birds also have a streamlined body which helps them to fly smoothly.

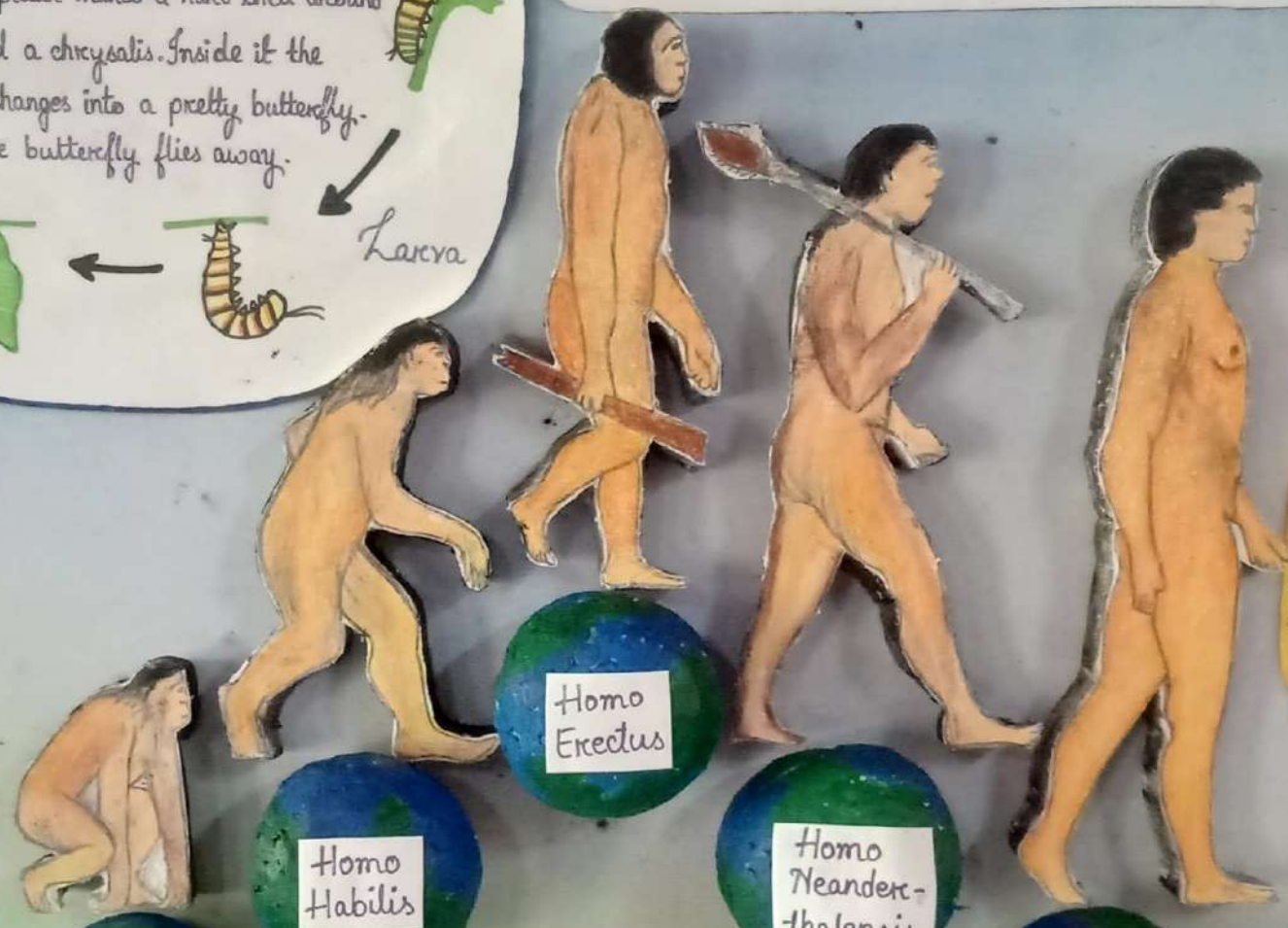
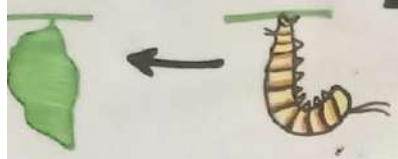
WHY MOSQUITO BITES?
1) Only female mosquitoes bite.
2) Mosquitoes are the world's deadliest animals.
3) Mosquitoes would be terrible in the Olympics.
4) Mosquitoes are big fans of Dirty dancing.

How Do Frogs Breathe During Different Seasons?
During the warm months of spring and summer, frogs spend most of their time on land near water. Here, they breathe air in and out with their noses.

...erpuan makes a hard shell around
alled a chrysalis. Inside it the
ur changes into a pretty butterfly.
the butterfly flies away.



Larva



Austra-
lopithecus

Homo
Habilis

Homo
Erectus

Homo
Neander-
thalensis

Homo
Sapiens
Sapiens

HUMAN EVOLUTION

Weird
Have y
phrase
to descri
can't se
this old
inaccurat
good eye
as awes

DNA is a
sand times
to it to ca
erases dicit
UV light or
There are
Some damage