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# TIME PASS!

## THE MAGAZINE



Why do stars twinkle?



What does nemophilist mean?



The four boys who made a Lion

Have you heard about the octopus who ate himself?

# FOLKTALE



## Vikram Betal: Four Boys who made a Lion

One more time, King Vikram went back in the dense forest to fetch Betal, who had flown away after Vikram had answered his question. Betal, as always, began another interesting story to keep Vikram entertained during the journey.

The story went like this: Once upon a time, there lived a learned man in a city, who had four sons. He had had made it a point to teach the Vedas and the holy scriptures to all of them.

One day, the brothers decided to venture out into the world on their own, learn a special skill and then come back again to meet each other. So, they went to learn something extraordinary and after some time, came back to meet each other at the appointed time.

They were each keen to show off the skills they had learnt and prove themselves worthy to their father.

Each bragged about the special skill that he had learned. The first one said, "I can create the flesh of a creature from a single bone of the creature." The second one said, "I can make the hair and skin of a creature." The third one said, "I can create the limbs of a creature". The fourth one said, "And I can infuse life into that creature."

So, they went to the forest to find a piece of bone and put their skills to test. During their search, they happened to find a lion's bone lying somewhere in the forest.

The first one created the flesh over the bone, using his special skill. The second one added skin and hair to the lion using his powers and the third one created the lion's limbs. The fourth young man was waiting to flaunt his skills and when his turn came, he chanted some mantras and infused life into the lion's body. As soon as the lion came to life, it pounced on them and killed them all.

Betal asked King Vikram, "Who among the four brothers was responsible for the death of all of them?"

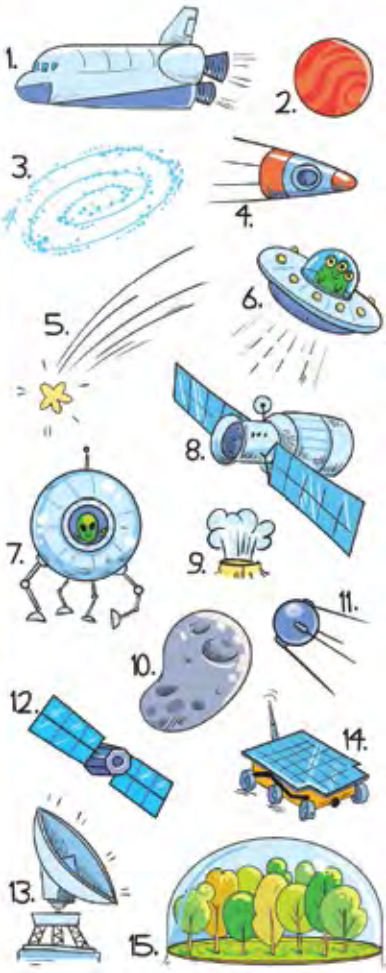
Vikram replied, "The fourth one, as he gave life to the otherwise dead structure of bones flesh and limbs and hair."

Betal appreciated the king for his intelligence and went back to the tree.



# FIND THE HIDDEN OBJECTS






## Ice Age

In the last **1000 million years** there's been atleast **5 ice ages** and one of them lasted for **100 million**

The key to the Ice Age was **temperature not cold, but warm** The **average temperature** of the ice age was about **32° Fahrenheit (0°Celsius)**

**Glaciers** were left behind when the **earth began warming up** after the last Ice Age.



**Ice age remnants** tell of the **glacial past before Britain** was separated from **Europe.**

Some of animals that could be found during the Ice Age were the **Woolly Mammoth, Wooly Rhinos, Cave Bears, Horses, Bison, Wolves and Reindeer**

# Dance! it's good for you!




# Do you know what causes goosebumps?

## What causes goosebumps?

Certain situations like a temperature drop, a strong feeling of fear - a strong emotion results in us getting goosebumps. When we experience a strong emotion like fear, our brain sends a signal to our muscles that make them tense up. When the muscles in our skin that are attached to hair tense up, they make the hair pull our skin, creating a layer of insulation- thus creating goosebumps.

## Why are goosebumps called goosebumps?

They are called goosebumps because when they emerge your skin looks like that of a goose whose feathers have been plucked!
Our ancestors were very hairy. They experienced a pilomotor reflex common in animals that made the animal look bigger when goosebumps appeared. This helped them scare many enemies. As humans evolved, body hair became lesser and the reflex had more to do with muscles now.



# Pondering corner

## Why do stars twinkle?

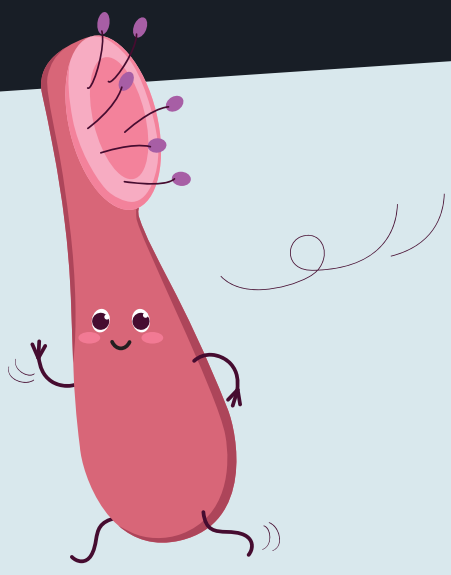





Everybody has heard of the old rhyme that goes, "Twinkle, Twinkle, little star…"
Ever wondered why that happens, though? Why do stars twinkle in the first place?
Stars are far, far, away from the earth. Hence, they appear as little bright spots of light to us, even though they are gigantic balls of fire.
The earth has a protective envelope called the atmosphere, which keeps us safe from the harmful radiations of the sun. This atmosphere is made up of various layers, which vary in density.
Light from the stars is visible to us through these layers of atmosphere, which experience varying levels of turbulence (movement of air). As the atmosphere churns, the light from the star is refracted in different directions. This means that some of the light reaches us directly and some gets bent slightly away. This causes us to see varying images of the stars brightness and position, which makes them appear to be twinkling. You might notice that stars closer to the horizon twinkle more. You will notice that stars closer to the horizon will appear to twinkle more than other stars. This is because there is a lot more atmosphere between you and a star near the horizon than between you and a star higher in the sky.
So you see, twinkling of the stars is merely an optical illusion! There's a scientific term for this phenomenon. It's called "astronomical scintillation". Sounds heavy doesn't it? "Twinkling" sounds so much more fun and friendly!
Telescopes like the Hubble telescope are in space, where there is no atmospheric barrier between the stars. Which is why images from these telescopes do not show the stars twinkling.

## The Chase

Mr. Brush on his steed, dashing with speed, was asked
if he had time to spare;
Said he, with a smile, I'll be back in a while, but
at present I'm hunting the hair!



# Sam Visits the Potala Palace

## Discover a new place




Potala Palace is located on the Marpori hill. It lies between the Drepung and Sera monastaries and the old city of Lhasa, making it an ideal site for governing establishments, as pointed out by Konchong Chophel, spiritual advisor to the 5th Dalai Lama. The 5th agreed and began construction of the palace in the year 1645. Though the external construction was completed in a quick 3 years, the interiors and furnishings took around 45 years to be completed! Since its completion, it was the chief residence of the Dalai Lama till the 14th Dalai Lama fled to India during the Tibetan Uprising in 1959.

The palace is a sturdy complex, comprising of the Red and White palaces and their ancillary buildings. The White palace is a massive 13 story building with over 1000 rooms and 10000 shrines. There are more than 200000 statues and artifacts in and around the palace. Especially noteworthy are the 698 murals on the walls and along the corridors. It also houses the main ceremonial hall and the throne of the Dalai Lama. Higher up the mountain and to the west lies the Red Palace, which contains the gilded burial stupas of past Dalai Lamas. Further west is the private monastery of the Dalai Lama, the Namgyel Dratshang. This 117 m structure has copper based foundations, which help proof it against earthquakes.

## Forest animals crossword



# spot ten differences







He woke up from a deep sleep, not feeling like himself. His bedroom looked a little different. The colours didn't look the same. He shrugged it off, thinking he was just sleepy. He sat up and turned to get out of bed. He felt around for his slippers next to his bed and let out a scream! The soles of his feet were feeling very sensitive. The sprinkler went off in the garden and he heard it loud and clear. What was going on with his senses?



# complete the story...

# amusing news

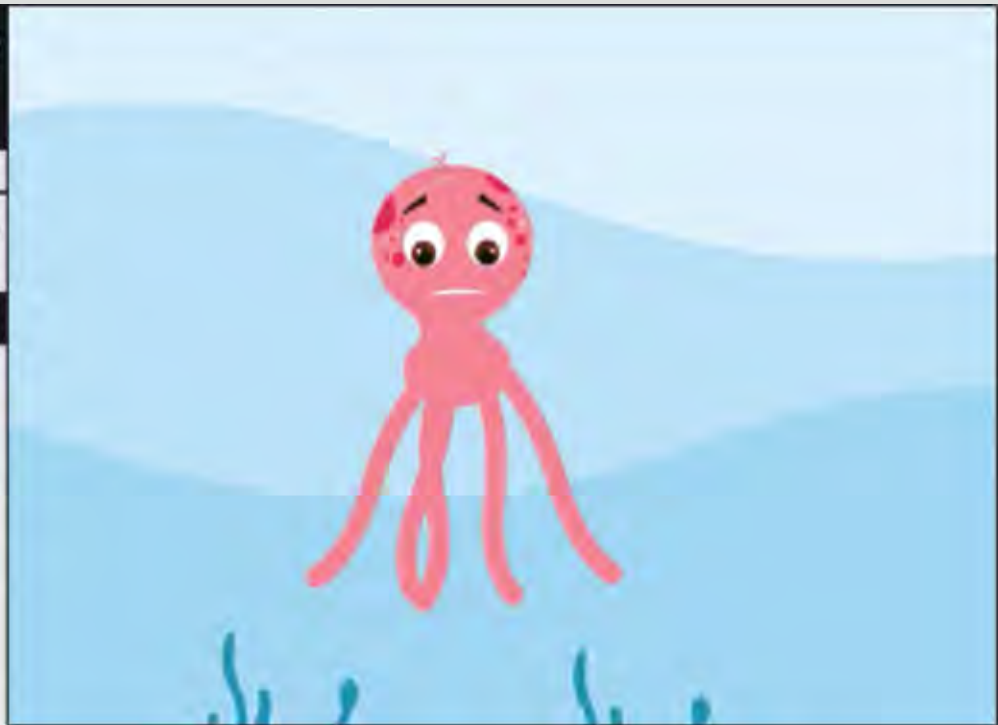
**HUNGRY OR STRESSED? EAT YOURSELF!**

***Biologists Said***

An octopus, if extremely hungry, can end up eating its own arm!

**More News**

Autophagy or self-eating was observed by biologists in some octopuses which had a missing limb. Their arms did not break off or they did not lose their arms in a fight, but they ate it!
Often they die a few days after the injury.



# Earth Calling EDO


























# Tickle your funny bone

**Q:** What story do octopus parents read to their kids?
**A:** Octopuss in boots

**Q:** How many tickles does it take to make an octopus laugh?
**A:** Tentacles.

**Q:** What do you call an octopus musician?
**A:** A rocktopus





# fun facts

## With Hamlet the Hamster

To know or not to know, that is the question!
Well, wouldn't you prefer to know?

## Facts About The Sun

- Over 1 million Earths could fit inside the sun.
- The Sun is travelling at 220 kms/sec.
- The Sun rotates in the opposite direction to Earth.
- Temperatures inside the Sun can reach up to 15 million degrees Celcius.
- The Sun is 30,000 light years away from the center of the Milky Way Galaxy.
- The heat and energy released from the core of the Sun takes a million years to reach its surface.



# Help The Little Whale To find mum



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Packed full of stories, puzzles and fun facts.. there's a little bit of fun for everyone!

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