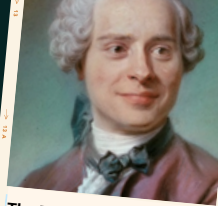


16-11-2021

# Knowledge Daily

There are only two kinds of certain knowledge:  
Awareness of our own existence and the truths of  
mathematics.

Jean le Rond d'Alembert



The French mathematician, physicist, philosopher and music theorist Jean-Baptiste Le Rond d'Alembert was one of the most prominent men of the enlightenment.

# COP26 ends climate summit with new climate agreement

The United Nations COP26 climate summit came to an end on 12 November 2021. Held in Glasgow, Scotland, was the biggest and most important climate-related conference on the planet. COP stands for 'Conference of the Parties'.

Countries at the COP26 climate summit have signed the Glasgow Climate Pact. This is the first-ever climate deal to explicitly (clearly) plan to reduce coal. Coal is considered to be the worst fossil fuel for greenhouse gases.

The deal also calls for more urgent emission cuts and promises more money for developing countries. This money will help them adapt to climate impacts.

### Criticism of the COP26 climate summit agreement

However, experts say that these pledges (promises) are not enough to limit temperatures to 1.5 Celsius. Scientists say that if global temperatures rise by more than 1.5 C, millions will suffer even more.

There had been plans to phase out (remove) coal but China and India opposed it. So, instead, they have agreed to "phase down" the use of coal and this has disappointed many people. Instead, all countries have agreed to have another conference in Egypt next year as they also look at their national plans.

UN Secretary-General Antonio Guterres said the planet was "hanging by a thread". "We are still knocking on the door of climate catastrophe... it is time to go into emergency mode – or our chance of reaching net zero will itself be zero."



## DID YOU KNOW ?

- It takes roughly 1 million years to form coal. That is why it's classified as a non-renewable energy source.
- Greenland boasts one of the largest ice sheets in the world, second only to Antarctica.
- Bhutan recently ended free entry for Indian tourists. Indian tourists will have to pay ₹1200 from July 2020 while visiting Bhutan.
- A rooster, a duck, and a sheep were the first hot air balloon passengers.

Despite its name, Greenland is not very green. It is a cold place, located between the Arctic and Atlantic oceans and is the world's largest island. It is officially part of Denmark.

Now, for the first time ever, scientists have discovered a dinosaur species that lived only in Greenland.

This dinosaur was a long-necked plant-eating animal that lived around 214 million years ago. Scientists have named it Issi saaneq. This means "cold bone" in Greenland's Indigenous (local) Kalaallisut language.

## **This 'Cold Bone' dinosaur lived in ancient Greenland**

The new dinosaur is related to the sauropod dinosaurs. But unlike many other sauropods, it was medium-sized, not very large.

What were sauropods?

Sauropods were a type of dinosaur that had long necks and tails, four legs, and ate plants. They also belonged to a group of huge dinosaurs called titanosaurians.

The discovery

Scientists first discovered fossils of the 'cold bone' dinosaur in 1994. However, at that time, scientists did not think that it was a new species.

They thought the fossil belonged to a Plateosaurus. This was another long-necked dinosaur that lived in parts of Europe during the Triassic Period (252 to 201 million years ago).

However, an international team of researchers recently used technology to study the skull. This made them realise that it was a completely new dinosaur.

'Cold bone' lived during an important time in Earth's history. At that time, the climate on Earth was changing. This helped plant-eating dinosaurs

like it to reach Europe and even travel beyond that (like Greenland).



Here we go, I'm pleased to present the new dinosaur from Greenland, Issi saaneq!! The results from my Master in Paleontology thesis at @FCTNOVA were just published!

by Victor Beccari

<https://twitter.com/i/status/1455935694958903299>

## WORD OF THE DAY

Today's Word of the Day is "jeopardize" and its verb meaning put (someone or something) into a situation in which there is a danger of loss, harm, or failure.

**Pronunciation:** jeop·ar·dize | \ 'je-pər-, dīz

**Usage:** 'a devaluation of the dollar would jeopardize New York's position as a financial centre'

## SYNONYMS

threaten, endanger, imperil, menace, risk, put at risk, expose to risk, put in danger, expose to danger, put in jeopardy, put on the line, leave vulnerable, leave unprotected

**ANTONYM** safeguard

**Origin :** Jeopardize stems from the Old French jeu parti, which literally translates to a game with divided, or even, chances.

## Hindi Meaning

JEOPARDIZE= आपत्ति में डालना  
[pr.{Apatti men Dalana} ]  
(verb)

Usage : a devaluation of the dollar would jeopardize position a financial center.

उदाहरण : डॉलर का अवमूल्यन एक वित्तीय केंद्र की स्थिति को आपत्ति में डाल देगा।

## ENGLISH CLUB

### Phrasal Verb- pack into

**Meaning:** to fit into a small or crowded space

**Usage:** Over a hundred thousand people packed into the stadium for the final match.

### Today's Idiom

think better of something

**Meaning:** If you think better of something, you decide not to do it even though you'd made plans to do it.

**Usage:** Danny was going to drop out of university and become a travel writer. But he thought better of quitting his studies and decided to finish his course.

## Maths Puzzle

Rachel, Chan, and Sue work at a grocery store that sells pens, erasers, and pencils.



Rachel says, "Seven pens and five erasers cost the same as six pencils.

Chan says, "Four pens and nine pencils cost the same as five erasers.

Sue says, "Six pencils and three erasers cost the same as four pens. Only one is lying. Can you tell us who?

Solution

Let A equal the price of pens, B equal the price of erasers, and O equal the price of pencils.

Rachel is saying that

$$7A+5B=6O.$$

Chan is saying that

$$4A+9O=5B.$$

Sue is saying that

$$6O+3B=4A.$$

Combining Rachel's and Chan's statements, we get  $11A=-3O$ . This is impossible.

Combining Chan's and Sue's statements, we get  $15O=2B$ .

This is possible.

Combining Rachel's and Sue's statements, we get  $8B=-3A$ . This is impossible.

This means that either Rachel is lying, or Chan and Sue are both lying. But there can be only one liar.

Hence, Rachel is the liar.

## Science News Increasingly frequent wildfires linked to human-caused climate change

Date: November 5, 2021

Source: University of California - Los Angeles



*A new study strengthens the case that climate change has been the main cause of the growing amount of land in the western U.S. destroyed by large wildfires. And researchers say the trend is likely to worsen.*

