

KNOWLEDGE DAILY

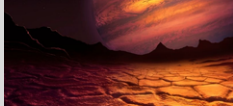
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**"Never love anyone who treats you like you're ordinary."
— Oscar Wilde**



New space discovery could show us our solar system's future



Scientists have made a new space discovery that could show us how our solar system could be like in the future.

They discovered a planet, known as MOA-2010-BLG-477Lb, which orbits a white dwarf.

What is a white dwarf?

A white dwarf is the remnant (remaining parts) left when stars like our Sun run out of fuel to burn. This remnant, usually about the size of Earth,

continues to cool for billions of years. MOA-2010-BLG-477Lb is a distant Jupiter-like planet. It is located about 6500 light-years away from us, near the centre of our Milky Way galaxy. The planet is about 40% more massive than Jupiter while the white dwarf is 60% the mass of our Sun.

What does the discovery indicate?

Scientists found that the planet and star formed around the same time.

The planet is about 2.8 AU (astronomical unit) from the star.

An AU is the distance between Earth and the Sun (148 million kilometres). Previously, we had believed that gas giant planets like this (and Jupiter) need to be much further away to survive its star's death.

This new space discovery means that more than half of white dwarfs also likely have similar planets orbiting them. Moreover, the space discovery means that more than half of white dwarfs also likely have

similar planets orbiting them. Moreover, the space discovery suggests that even in our own solar system, Jupiter and Saturn might survive our Sun's death.

The scientists used the W. M. Keck Observatory in Hawaii to study the white dwarf and planet.

2021 Global Hunger Index: India ranks 101 out of 116 countries

The Global Hunger Index

What is the Global Hunger Index?

The Global Hunger Index (GHI) is a yearly report published by two organisations, Concern

Worldwide and Welthungerhilfe.

The GHI is designed to comprehensively measure and track hunger at the global, regional, and country levels. Its aim is to promote action to reduce hunger around the his year, the 2021 Global Hunger Index has ranked India at 101 position

out of 116 countries. India's rank has fallen from 94 last year. Neighbour Pakistan was ranked at 92 position while Nepal and Bangladesh were placed at 76 rank.

The 2021 Global Hunger Index score

The GHI score is calculated on four indicators – undernourishment, child wasting (the number of children under the age of five with low weight for their height), child stunting (children under the age of five with low height for their age) and child mortality (the death rate of children under the age of five).



India's GHI score this year puts it in the "serious" category along with 30 other countries, including Pakistan. Moreover, India was the worst performer in the indicator measuring child wasting.

Five countries are in the "alarming" category while Somalia is in the "extremely alarming" category. Eighteen countries, including Brazil, Croatia, Chile and China, were ranked at the top in the GHI.

- There are more than 50,000 edible plants in the world, but just 15 of them provide 90 percent of the world's food energy intake.

Today in History

1934 Mao Zedong and 25,000 troops begin their 6,000 mile Long March from the south of China to the north and west

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Black Power Salute



Olympic Games- Black Power Salute- 1968 Americans Tommie Smith (gold 19.83 WR) and John Carlos (bronze) famously give the Black Power salute on the 200m medal podium during the Mexico City Olympics to protest racism and injustice against African-Americans

Historical Context

US athletes Tommie Smith and John Carlos caused a sensation when they raised their black-gloved fists in protest, the salute

of the Black Power political organisation, on the podium at the Mexico City Olympics after the 200-meter sprint. They'd already removed their shoes in a protest against poverty and they also wore beads against lynching. Smith and Carlos were later ordered to leave the stadium and were expelled from the American track team. Their actions came amid the context of the Vietnam War and the assassination of Martin Luther King Jr. but remains one of the most powerful images of protest ever.

Read Aloud

The Little snowplow by Lora Koehler

The New York Times bestseller!

Big trucks may brag and roar, but small and steadfast wins the day in this cheerful story with timeless appeal. On the Mighty Mountain Road Crew, the trucks come in one size: BIG. That is, until the little snowplow joins the crew



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WORD OF THE DAY

Today's Word of the Day is "inhibition" and its noun meaning a feeling that makes one self-conscious and unable to act in a relaxed and natural way.

Pronunciation: in·hi·bi·tion

Usage: 'the children, at first shy, soon lost their inhibitions'

SYNONYMS

shyness, reticence, self-consciousness, reserve, diffidence, bashfulness, coyness, embarrassment, unease, wariness, reluctance, discomfort, hesitance, hesitancy, apprehension, nerves, nervousness, insecurity, lack of confidence, unassertiveness, timidity, timorousness, repression, restraint, constraint, reservation, mental block, psychological block, informal hang-up

Antonyms: encouragement, promotion

Origin : Late Middle English (in the sense 'forbidding, a prohibition'): from Latin inhibitiō(n-), from the verb inhibere (see inhibit).

Hindi Meaning

INHIBITION= संयम [pr.{sanayam}](Noun)

Usage : the inhibition of the heart by the vagus nerve

उदाहरण : बेटा, संयम से काम लो. नौकरी मिलने में समय लगता है.

ENGLISH CLUB

Phrasal Verb-keel over

Meaning: If somebody keels over, they fall to the floor, usually because of illness or loss of consciousness.

Usage: Our professor was giving a lecture when he suddenly keeled over and slumped to the floor.

Today's Idiom

beat around the bush | beat about the bush

Meaning: If you beat around the bush, or beat about the bush, you don't say something directly, usually because you don't want to upset the person you're talking to.

Usage: Stop beating about the bush. Just tell me what's happened!

Did You Know

- A teaspoonful of white dwarf matter would weigh as much on Earth as an elephant—5.5 tons.
- The president is referred to as the first citizen of India.

Watch a video: What does it look like inside a hurricane?

