

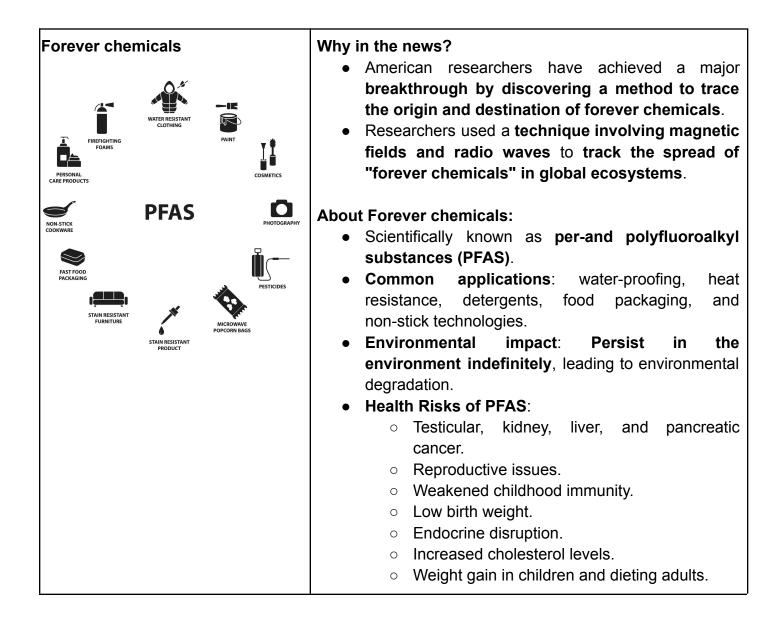




## **Daily Current Affairs Encyclopedia**

### 17 August 2024

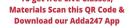
# **National and International News**





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New Ramsar sites in India	<ul> <li>Why in the news?</li> <li>Recently, the Union Minister for Environment, Forest, and Climate Change announced that three additional wetlands from India have been added to the Ramsar sites list.</li> </ul>
	New Ramsar sites in India:
	Nanjarayan Bird Sanctuary:
	<ul> <li>Location: Tamil Nadu</li> </ul>
	<ul> <li>Historical Significance: Named after King</li> </ul>
	Nanjarayan, who repaired and restored the
	lake centuries ago.
	Kazhuveli Bird Sanctuary:
	• Status: Declared the 16th bird sanctuary in
	Tamil Nadu in 2021.
	• Location: Tamil Nadu
	<ul> <li>Significance: One of the largest wetlands in peninsular India, rich in biodiversity.</li> </ul>
	• Migratory Path: Lies in the Central Asian
	Flyway, serving as a crucial stopover for
	migratory birds.
	Tawa Reservoir:
	• Location: Largest protected area in Madhya
	Pradesh.
	<ul> <li>Construction: Built at the confluence of</li> </ul>
	Tawa and Denwa rivers.
	• Significance: Located within the Satpura
	<b>Tiger Reserve</b> , forming the western boundary
	of Satpura National Park and Bori Wildlife
	Sanctuary.



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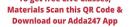
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Prerana Programme	<ul> <li>Why in the news?</li> <li>The Union Minister of Education recently engaged with students, teachers, parents from PM SHRI Schools, and alumni of the Prerana Programmes.</li> <li>About Prerana Programme: <ul> <li>Launch Date: January 2024.</li> <li>Launched By: Union Education Ministry.</li> <li>Objective: Integration of Indian education system principles and value-based education as outlined in the National Education Policy (NEP) 2020.</li> <li>Target Audience: Selected students of Class IX to XII.</li> <li>Program Features: <ul> <li>Experiential Learning: Best-in-class technology where heritage meets innovation.</li> <li>Student Selection: 20 students (10 boys and</li> </ul> </li> </ul></li></ul>
	<ul> <li>value-Based Themes: The curriculum is rooted in 9 themes: <ul> <li>Swabhiman and Vinay</li> <li>Shaurya and Sahas</li> <li>Parishram and Samarpan</li> <li>Karuna and Sewa</li> <li>Vividhta and Ekta</li> <li>Satyanishtha and Shuchita</li> <li>Navachar and Jigyasa</li> <li>Shraddha aur Vishwas</li> <li>Swatantrata and Kartavya</li> </ul> </li> <li>Program Aim: To inspire youth and foster respect for Bharat's unity in diversity, embodying the spirit of "Vasudhaiva Kutumbakam."</li> </ul>



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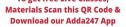


Gastrodia indica	<ul> <li>Why in the news?</li> <li>A unique orchid species, Gastrodia indica, was recently discovered in Sikkim's Fambonglho Wildlife Sanctuary.</li> <li>About Gastrodia indica: <ul> <li>First Orchid from India that Never Opens Its Flower: The first cleistogamous species of the genus Gastrodia discovered from India, named Gastrodia indica.</li> <li>Habitat: Thrives in dense, rotten leaf litter associated with trees like Magnolia doltsopa, Acer campbelli, and Quercus lamellose.</li> <li>Contribution to Botanical Diversity: The discovery of Gastrodia indica increases the total number of Gastrodia species in India to 10.</li> <li>Conservation Concerns: Faces potential threats due to its limited population and specific habitat requirements.</li> </ul> </li> </ul>
Prokaryotes	<ul> <li>Why in the news?</li> <li>Scientists have discovered that prokaryotes are highly resilient to climate change, which may lead to their increased dominance in marine environments.</li> <li>About Prokaryotes: <ul> <li>Single-Celled Organisms: Prokaryotes are single-celled organisms that lack a distinct nucleus and other membrane-bound organelles.</li> <li>Cell Organisation: <ul> <li>Basic structural components include a cell wall (absent in mycoplasma), cytoplasm, and a plasma membrane.</li> </ul> </li> </ul></li></ul>



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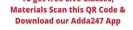


 They lack a well-defined nucleus. **Historical** Significance: Prokaryotes • are considered to be the oldest cell-based lifeforms on Earth. Habitat: • They thrive across the entire planet, **both on** land and in water. • They are **found in** environments ranging from the tropics to the poles. Ecological Significance: Prokaryotes play a crucial role in the world's food chains, supporting the nutrient needs of fish consumed by humans.









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