

NATURE KNOWS BEST

TRIVIA

While we've been harnessing the sun's power on Earth, scientists are looking at space-based solar power as a future energy solution. What celestial body did Japan's space agency aim to beam solar power from in their ambitious plans?

Nature has its own solutions! Some bacteria thrive on consuming methane, a potent greenhouse gas. Where can you primarily find these methane-eating bacteria?

Transitioning to renewable energy often requires efficient storage solutions. Which tech mogul funded the construction of the world's largest lithium-ion battery in Australia?

Nature inspires sustainable building designs. Which desert creature inspired a Zimbabwean building's cooling system, making air-conditioning unnecessary?

Our oceans act as carbon sinks,
absorbing vast amounts of CO₂.
Approximately what percentage of the
CO₂ produced by human activities is
absorbed by the ocean?

ABOUT 25%

Some microorganisms can be future fuel sources. Which aquatic organism is being researched for its potential to produce biofuel?

To reduce plastic waste, some innovators are turning to seaweed to create what?

EDIBLE FOOD PACKAGING

Indigenous tribes in the Amazon developed a nutrient-rich soil called what, which remains fertile for hundreds to thousands of years?

Harnessing Earth's internal heat offers a sustainable energy source. Which country produces nearly 90% of its homes' electricity from geothermal energy?

ICELAND

What are the major US cities that have the highest long-term risk of climate change effects including higher temperatures, sea-level rise and drought?

SAN FRANCISCO, CA; CAPE CORAL, FL;
NEW YORK CITY, NY; LONG ISLAND, NY;
OAKLAND, CA; AND PHOENIX, AZ

Fungi aren't just for eating. What is mycelium, the root-like structure of mushrooms, being used to produce in the fashion industry?

Efficient delivery routes reduce fuel consumption. Which insect's behavior inspired algorithms for optimal delivery routes?

Corals produce a compound to protect themselves against harmful UV rays. This compound is being researched for its potential use in what human product?

The process of photosynthesis has inspired the creation of solar cells.

Which plant cell organelle is responsible for photosynthesis?

CHLOROPLAST

Oceans are not only vast but energetic.
What renewable energy is derived
from the surface motion of water?

Concrete manufacturing contributes to CO₂ emissions, but there's an eco-friendly version. Which living organisms are used to produce "biological concrete"?

Melting glaciers act as indicators of global warming. Which mountain range, also called the "Third Pole", contains thousands of glaciers?

Rising sea levels threaten low-lying countries. Which island nation in the Indian Ocean is considered the lowest-lying country in the world?

Some plants can produce materials similar to plastic. Which plant's proteins have been used to create a biodegradable film, similar to plastic wrap?

Some plants offer biodegradable packaging alternatives. Which hard-shelled fruit's exterior has been used as an eco-friendly dishware?

Some crops can withstand drought conditions. Which ancient grain, often consumed as a health food, is known for its resilience to harsh conditions?

Some plants grow exceptionally fast, contributing to rapid carbon absorption. Which plant, known for its rapid growth, is frequently used for sustainable building materials?

What two kinds of pollution have the biggest impact on bats' ability to hunt?

LIGHT AND NOISE POLLUTION

What is the term for a roadway that integrates animal transportation alongside human transportation?

Some weather phenomena are intensifying due to climate change. Which stormy weather phenomenon in the Pacific Ocean can affect global temperatures and rainfall patterns?