

Philippine Science Breakthroughs: Golden Sea Slugs, Mangrove Carbon, and

Science Philippines · Answer Key · 10 Questions

1. What is the scientific name of the newly discovered 'golden sea slug' found in the Philippines?

- A) Naisdoris aurornata**
- B) Goniodorididae
- C) Rafflesia consueloae
- D) Homo luzonensis

2. According to recent studies, what significant role do mangroves in the Philippines play in combating climate change?

- A) They act as carbon vaults, locking away significant amounts of carbon dioxide.**
- B) They produce a unique type of biofuel.
- C) They are essential for regulating global tides.
- D) They filter pollutants from the atmosphere.

3. A 2024 study confirmed the presence of which invasive fish species in Laguna de Bay, raising ecological concerns?

- A) Tinfoil barb (Barbonymus schwanefeldii)**
- B) Tilapia
- C) Pangasius
- D) Milkfish

4. Which of the following is a recent technological advancement highlighted in the Philippines' digital transformation efforts?

- A) Expansion of 5G networks and digital payment adoption**
- B) Development of quantum computing
- C) Widespread use of personal jetpacks
- D) Colonization of Mars

5. Scientists have identified a new species of sea slug with a bright yellow color, named for its 'golden' appearance. Where has this species been found so far?

- A) The Philippines and Indonesia**
- B) Only in the Philippines
- C) The Philippines and Malaysia
- D) The Philippines and Vietnam

6. What significant contribution do scientists at the University of the Philippines Tacloban College's research on mangroves highlight?

A) Quantifying the 'blue carbon' stock within these ecosystems.

- B) Developing new methods for mangrove desalination.
- C) Mapping the migration patterns of mangrove-dwelling birds.
- D) Investigating the medicinal properties of mangrove roots.

7. The confirmation of the tinfoil barb in Laguna de Bay highlights a growing concern in the Philippines regarding:

A) The unmonitored introduction of invasive freshwater fishes.

- B) Overfishing of native species.
- C) Pollution from aquaculture farms.
- D) The impact of climate change on freshwater ecosystems.

8. Which of the following is a key enabler of the Philippines' digital transformation, according to recent reports?

A) Enhanced connectivity through 5G networks and broadband plans.

- B) A decrease in internet usage.
- C) Limited government investment in technology.
- D) Reliance on analog communication systems.

9. What significant archaeological discovery on the island of Mindoro suggests advanced maritime capabilities thousands of years ago?

A) Evidence of deep-sea fishing capabilities and advanced tools dating back 35,000 years.

- B) Discovery of a lost ancient city.
- C) Invention of the first printing press.
- D) Development of early forms of written language.

10. Filipino scientists are exploring the use of which natural resource for its significant carbon sequestration potential, particularly in Eastern Visayas?

A) Mangroves

- B) Coral reefs
- C) Volcanic soil
- D) Rainforests