

Tropical Rainforests: Ecology and Biodiversity

Biology · Answer Key · 15 Questions

1. What is the minimum annual rainfall required for a tropical rainforest?

- A) 500mm
- B) 1000mm
- C) 1500mm**
- D) 2000mm

2. Where are tropical rainforests typically found?

- A) Near the equator**
- B) Near the poles
- C) In desert regions
- D) Only in Europe

3. What percentage of the world's plant and animal species are found in rainforests?

- A) 10%
- B) 25%
- C) 50%**
- D) 80%

4. How do rainforests help cool the Earth?

- A) By reflecting moonlight
- B) By absorbing sunlight**
- C) By producing ice
- D) By blocking wind

5. What percentage of our diet originates from rainforests?

- A) 25%
- B) 50%
- C) 75%
- D) 80%**

6. What percentage of pharmaceutical drugs are derived from rainforest plants?

- A) 5%
- B) 15%
- C) 25%**
- D) 50%

7. What process allows rainforest trees to release oxygen into the atmosphere?

A) Photosynthesis

B) Respiration

C) Transpiration

D) Decomposition

8. How many of the world's 250,000 known plant species exist in rainforests?

A) 50,000

B) 100,000

C) 170,000

D) 200,000

9. What do rainforests act like to help soak up and release moisture?

A) Giant filters

B) Giant sponges

C) Giant fans

D) Giant dams

10. What percentage of all insects are estimated to live in tropical rainforests?

A) 25%

B) 50%

C) 60%

D) 80%

11. How do birds help rainforests regenerate?

A) By building nests

B) By eating predators

C) By pollinating plants and dispersing seeds

D) By hunting insects

12. Which feature allows lorries to feed on flowering plants?

A) Strong bills

B) Brush tongues

C) Sharp claws

D) Long tails

13. What do large parrots use their strong bills for?

A) Breaking open hard nuts

B) Digging in the soil

C) Fighting predators

D) Building elaborate nests

14. What type of environment are tropical birds, especially on islands, most vulnerable to?

- A) Extreme weather**
- B) Lack of water
- C) High altitude
- D) Cold temperatures

15. Approximately what portion of rainforest plants have been tested for medicinal properties?

- A) 1%**
- B) 10%
- C) 25%
- D) 50%