

AI in Nature and Wildlife

Artificial Intelligence · Answer Key · 15 Questions

1. What do researchers use AI-powered cameras to track in the wild?

- A) The migration patterns of animals**
- B) The speed of clouds
- C) The color of soil
- D) The temperature of deep ocean vents

2. How does AI help protect endangered rhinos from poachers?

- A) By making the rhinos invisible
- B) By identifying poacher movements in real-time**
- C) By changing the weather
- D) By teaching rhinos to hide

3. What type of sound does AI software help scientists identify to monitor whale health?

- A) Whale songs**
- B) Wind noise
- C) Boat engines
- D) Rain falling

4. How can AI help monitor the health of coral reefs?

- A) By counting fish and analyzing coral growth from images**
- B) By painting the coral
- C) By changing the ocean current
- D) By removing salt from the water

5. In agriculture, what can AI-powered drones do to help the environment?

- A) Spot weeds to reduce the need for chemicals**
- B) Fly to the moon
- C) Sing to crops
- D) Turn into rain clouds

6. What does AI help researchers detect in forests to prevent environmental damage?

- A) Illegal logging sounds**
- B) Forest fairy movements
- C) Tree height growth per second
- D) The language of squirrels

7. AI can analyze satellite images to track the movement of what environmental phenomenon?

A) Deforestation

- B) The movement of stars
- C) The rotation of planets
- D) The migration of butterflies

8. How is AI used to protect bees?

A) By monitoring hive acoustics to detect colony health

- B) By teaching bees how to dance
- C) By building tiny artificial flowers
- D) By tracking their favorite colors

9. What do AI systems help scientists predict to protect wildlife from climate change?

A) Changes in animal habitats

- B) The exact date of a sunrise
- C) The names of all birds
- D) The color of the ocean

10. How does AI assist in identifying individual animals in a group?

A) By analyzing patterns on their fur or skin

- B) By scanning their memories
- C) By asking them questions
- D) By measuring their tails

11. What can AI-equipped ocean gliders detect to study marine ecosystems?

A) Ocean pollution and temperature changes

- B) The depth of the sea floor
- C) The location of buried treasure
- D) The history of shipwrecks

12. Why do scientists use AI to study bird calls?

A) To map bird biodiversity and population health

- B) To teach birds how to talk
- C) To play music for the birds
- D) To keep birds awake at night

13. How does AI support the study of polar bears in the Arctic?

A) By identifying bears from aerial drone photographs

- B) By training bears to walk on ice
- C) By changing the temperature of the ice
- D) By counting the snowflakes on their fur

14. What does AI analyze to help maintain clean water in rivers?

A) Sensor data measuring water quality

- B) The sound of the river flowing
- C) The shape of the river bank
- D) The number of rocks in the river

15. AI tools are used to calculate the carbon footprint of what?

A) Industrial activities impacting nature

- B) The weight of the moon
- C) The height of every mountain
- D) The number of stars in the galaxy