

Health, Nature, and Animal Facts

Health Education · Answer Key · 18 Questions

1. Which common household plant is known for its air-purifying qualities, helping to remove toxins like formaldehyde and benzene from indoor air?

- A) Cactus
- B) Venus Flytrap
- C) Snake Plant (*Sansevieria trifasciata*)**
- D) Sunflower

2. The venom of which Australian snake is considered the most toxic of any land snake in the world?

- A) Tiger Snake
- B) Taipan
- C) Brown Snake
- D) Black Mamba**

3. Chlorella, a type of algae, is often consumed as a supplement due to its high content of which essential nutrient, vital for cell repair and growth?

- A) Vitamin D
- B) Calcium
- C) Iron
- D) Protein**

4. Honeybees communicate the location of nectar sources to other bees through a complex dance known as the 'waggle dance'. This dance indicates distance and direction relative to which celestial body?

- A) The Moon
- B) The Sun**
- C) Polaris
- D) Venus

5. Which type of tree produces a sap that is a source of maple syrup, a natural sweetener with potential antioxidant properties?

- A) Oak Tree
- B) Pine Tree
- C) Maple Tree**
- D) Birch Tree

6. The Great Barrier Reef, a vital ecosystem, is primarily composed of colonies of which marine invertebrate?

- A) Jellyfish
- B) Sea Urchins
- C) Coral Polyps**
- D) Starfish

7. Penguins, particularly Emperor penguins, are known for their ability to withstand extreme cold. Their dense layers of blubber and specialized feathers help them conserve body heat. This is an example of adaptation for survival in which environment?

- A) Desert
- B) Tropical Rainforest
- C) Arctic/Antarctic**
- D) Temperate Forest

8. Certain species of fungi, like those in the *Cordyceps* genus, are known to infect insects and control their behaviour. This relationship is an example of which type of ecological interaction?

- A) Mutualism
- B) Commensalism
- C) Parasitism**
- D) Predation

9. The nutrient rich soil formed from decomposed organic matter, essential for plant growth, is known as:

- A) Sand
- B) Clay
- C) Loam
- D) Humus**

10. Which marine mammal is known for its complex vocalizations, often referred to as 'songs', which can travel long distances underwater and are used for communication and navigation?

- A) Dolphin
- B) Seal
- C) Whale**
- D) Manatee

11. Avocados are a good source of monounsaturated fats, which are considered heart-healthy. They also contain a significant amount of which vitamin, important for immune function and skin health?

- A) Vitamin A
- B) Vitamin E**
- C) Vitamin C
- D) Vitamin K

12. The process by which plants convert light energy into chemical energy, releasing oxygen as a byproduct, is called:

- A) Respiration
- B) Transpiration
- C) Photosynthesis**
- D) Fermentation

13. Which common bird is known for its remarkable ability to mimic sounds, including human speech and other environmental noises, due to its complex syrinx (vocal organ)?

- A) Eagle
- B) Parrot**
- C) Owl
- D) Penguin

14. The practice of growing plants without soil, using mineral nutrient solutions in water, is known as:

- A) Aquaculture
- B) Aeroponics
- C) Hydroponics**
- D) Permaculture

15. Elephants have a highly developed sense of smell, which they use for communication, finding food, and detecting danger. Their trunks contain an estimated 100,000 different olfactory receptors, making them one of the most sensitive noses in the animal kingdom. This highlights the importance of which sensory organ for survival?

- A) Eyes
- B) Ears
- C) Nose**
- D) Tongue

16. The process of water vapor changing into liquid water, which can lead to cloud formation and precipitation, is known as:

- A) Evaporation
- B) Sublimation
- C) Condensation**
- D) Precipitation

17. Certain wild berries, such as blueberries and raspberries, are rich in antioxidants, which are compounds that help protect the body's cells from damage caused by free radicals. This contributes to their potential health benefits for which system?

- A) Skeletal System
- B) Nervous System
- C) Circulatory System
- D) Immune System**

18. The symbiotic relationship between certain trees and mycorrhizal fungi, where the fungi help trees absorb nutrients from the soil in exchange for sugars, is crucial for the health of which biome?

- A) Desert
- B) Tropical Rainforest
- C) Forest**
- D) Grassland