

Nature's Melodies and Musical Facts

Music Appreciation · Answer Key · 10 Questions

1. Which animal is famous for producing complex, song-like vocalizations that can last for hours during mating seasons?

- A) Humpback whale**
- B) African elephant
- C) Red kangaroo
- D) Emperor penguin

2. What term describes the way sound waves bounce off surfaces like canyon walls or caves, which influenced early human acoustic music?

- A) Absorption
- B) Echo**
- C) Refraction
- D) Diffraction

3. Which bird species is widely recognized for mimicking a vast variety of environmental sounds, including chainsaws and camera shutters?

- A) Lyrebird**
- B) Magpie
- C) Emu
- D) Kookaburra

4. What is the primary material used to make the traditional Australian didgeridoo?

- A) Plastic
- B) Eucalyptus wood**
- C) Glass
- D) Bamboo

5. Which environmental element is responsible for the vibration that creates the 'humming' sound of a bee's wings, forming a natural pitch?

- A) Water current
- B) Air resistance**
- C) Thermal radiation
- D) Magnetic field

6. In acoustics, which natural environment is known for absorbing sound, resulting in a 'dead' or quiet atmosphere?

- A) Marble hall
- B) Forest floor**
- C) Ice rink
- D) Metal container

7. Which sound frequency range can elephants detect that is too low for humans to hear, often referred to as infrasound?

- A) Above 20,000 Hz
- B) Below 20 Hz**
- C) Exactly 500 Hz
- D) Between 5,000 and 10,000 Hz

8. Cicadas produce a rhythmic, loud buzzing sound by vibrating which part of their body?

- A) Wings
- B) Legs
- C) Tymbrals**
- D) Antennae

9. Which natural body of water is often used by composers to represent rhythmic, flowing movement in 'program music'?

- A) Still pond
- B) Running river**
- C) Frozen glacier
- D) Dry desert

10. What do we call the high-pitched sound waves emitted by bats to navigate and 'see' their environment through sound?

- A) Echolocation**
- B) Photosynthesis
- C) Osmosis
- D) Bioluminescence