

COLEGIO BRITÁNICO INTERNACIONAL

Group	:	8th A	Date	:	27 - 01 - 2024
Teacher	:	Ing. Diana Vaca	Name	:	

- Which theory suggests the universe has always existed without a beginning or end?
 - Steady State Theory
 - Big Bang Theory
 - Creationism
 - Oscillating Universe Theory
- The Big Bang Theory contrasts with which of these ancient beliefs?
 - The universe emerged from chaos
 - The universe was created by gods
 - The universe has always existed
 - All of the above
- The Big Bang Theory states the universe began approximately:
 - 10 billion years ago
 - 13.8 billion years ago
 - 20 billion years ago
 - 5 billion years ago
- What was the universe like immediately after the Big Bang?
 - Full of stars and galaxies
 - Extremely hot and dense
 - Empty and cold
 - Filled with water and gases
- What does the Big Bang Theory suggest about the universe's current state?
 - It's shrinking
 - It's expanding
 - It's static
 - It's collapsing
- The outermost layer of the Earth is called:
 - Core
 - Mantle
 - Crust
 - Lithosphere
- The mantle is primarily made up of:
 - Iron and nickel
 - Magnesium and silicates
 - Carbon and nitrogen
 - Aluminum and oxygen
- Which layer is the hottest part of the Earth?
 - Crust
 - Mantle
 - Outer core
 - Inner core
- The crust is divided into:
 - Oceanic and continental crust
 - Lithospheric and asthenospheric crust
 - Primary and secondary crust
 - Tectonic crust
- What separates the crust and the mantle?
 - Moho boundary
 - Lithosphere
 - Inner core
 - Asthenosphere
- A divergent boundary occurs when plates:
 - Collide
 - Slide past each other
 - Move apart
 - Overlap
- Transform boundaries are characterized by:
 - Mountain formation
 - Earthquakes
 - Volcanic activity
 - Ocean trenches
- Which boundary type forms mountains?
 - Divergent
 - Convergent
 - Transform
 - Plate boundary
- Producers in a food chain are usually:
 - Herbivores
 - Carnivores
 - Plants
 - Omnivores
- Which trophic level contains primary consumers?
 - First
 - Second
 - Third
 - Fourth

16. Decomposers play a crucial role by:
- Producing food
 - Breaking down dead material
 - Consuming producers
 - Maintaining oxygen levels
17. Conservation focuses on:
- Protecting resources for future use
 - Preserving ecosystems in their natural state
 - Eliminating human impact
 - Reintroducing extinct species
18. Preservation differs from conservation by:
- Allowing limited resource use
 - Preventing all human interference
 - Encouraging resource exploitation
 - Supporting urban development
19. An endangered species is one that:
- Has a small population but is stable
 - Faces a high risk of extinction
 - Is a keystone species
 - Has no natural predators
20. Symbiotic relationships include:
- Mutualism, commensalism, parasitism
 - Competition, predation, herbivory
 - Parasitism, adaptation, extinction
 - Evolution, competition, mutualism
21. Which of these is an example of mutualism?
- Tick feeding on a dog
 - Bee pollinating a flower
 - Remora fish on a shark
 - Cuckoo laying eggs in another bird's nest
22. The largest tectonic plate is:
- African Plate
 - Pacific Plate
 - Eurasian Plate
 - Antarctic Plate
23. The ozone layer is part of which Earth layer?
- Lithosphere
 - Stratosphere
 - Troposphere
 - Hydrosphere
24. Which of the following planets is part of the rocky planets in the Solar System?
- Jupiter
 - Saturn
 - Mars
 - Uranus
25. How was the Moon formed, according to the most widely accepted theory?
- It was captured by Earth's gravity.
 - It formed from a collision between Earth and a Mars-sized object.
 - It formed alongside Earth from the same gas and dust.
 - It is a fragment of Earth that broke away.
26. What is a key characteristic of the Solar System?
- The planets orbit the Sun in nearly circular paths.
 - All planets are the same size.
 - The Solar System is made up only of planets and the Sun.
 - The Sun is the smallest object in the Solar System.