

Cosmic Physiology: The Human Body in Space

Human Body Basics · Practice Test · 2 Questions

1. Prolonged exposure to microgravity significantly alters bone structure. Which specific bone cell type experiences a decrease in activity, leading to bone density loss in astronauts?

- A) Osteoblasts
- B) Chondrocytes
- C) Adipocytes
- D) Fibroblasts

2. Astronauts often experience a condition known as Spaceflight-Associated Neuro-ocular Syndrome (SANS), characterized by vision changes. What is thought to be the primary cause of this syndrome in microgravity?

- A) Increased atmospheric pressure in spacecraft
- B) Cerebrospinal fluid shifts causing elevated intracranial pressure
- C) Excessive exposure to solar flares
- D) Reduced oxygen levels in orbital habitats