

Geology and Human Health

Geology · Answer Key · 20 Questions

1. Which mineral is the primary component of human bones and teeth?

- A) Quartz
- B) Calcium**
- C) Feldspar
- D) Mica

2. What metallic element, found in the Earth's crust, is essential for carrying oxygen in human blood?

- A) Iron**
- B) Gold
- C) Silver
- D) Copper

3. Which mineral is commonly used in table salt to help regulate human body fluids?

- A) Graphite
- B) Halite
- C) Talc**
- D) Calcite

4. What substance, found in the Earth's soil, is often added to toothpaste to strengthen tooth enamel?

- A) Fluoride**
- B) Sulfur
- C) Asbestos
- D) Coal

5. Which mineral is required by the human thyroid gland to produce hormones?

- A) Iodine**
- B) Lead
- C) Mercury
- D) Arsenic

6. Which element, found in rocks and soil, is a critical component of human DNA?

- A) Phosphorus**
- B) Neon
- C) Helium
- D) Argon

7. What soft mineral is commonly used as a base ingredient in baby powder?

- A) Talc**
- B) Diamond
- C) Topaz
- D) Corundum

8. Which mineral is essential for proper human muscle and nerve function?

- A) Magnesium**
- B) Platinum
- C) Titanium
- D) Zinc

9. What trace element found in Earth's crust is vital for a healthy human immune system?

- A) Zinc**
- B) Nickel
- C) Cobalt
- D) Tin

10. Which mineral is widely used in the medical field to create casts for broken bones?

- A) Gypsum**
- B) Obsidian
- C) Granite
- D) Basalt

11. What substance, derived from the Earth's crust, is the main component of a human's fingernails and hair?

- A) Keratin**
- B) Quartz
- C) Feldspar
- D) Calcite

12. Which mineral is naturally found in human bodies and helps maintain a healthy heartbeat?

- A) Potassium**
- B) Lead
- C) Aluminum
- D) Silicon

13. What element found in Earth's rocks is necessary for the production of collagen in human skin?

A) Copper

B) Gold

C) Silver

D) Iron

14. Which mineral is essential for the body to process Vitamin B12?

A) Cobalt

B) Tin

C) Bismuth

D) Cadmium

15. What type of rock salt is commonly used in medical saline solutions?

A) Sodium Chloride

B) Iron Oxide

C) Calcium Carbonate

D) Silica

16. Which mineral helps the human body absorb calcium for healthy bones?

A) Boron

B) Lead

C) Mercury

D) Arsenic

17. What element found in the Earth's crust is necessary for healthy human eye function?

A) Zinc

B) Lead

C) Gold

D) Copper

18. Which mineral is a key component in human stomach acid to help digest food?

A) Chlorine

B) Neon

C) Helium

D) Argon

19. What earth-derived mineral is often included in dietary supplements for healthy skin?

- A) Sulfur**
- B) Graphite
- C) Diamond
- D) Coal

20. Which mineral is found in the Earth's crust and is necessary for human cellular energy production?

- A) Manganese**
- B) Platinum
- C) Titanium
- D) Nickel