

Earth Science Essentials

Earth Science · Answer Key · 8 Questions

1. Which layer of Earth's atmosphere is closest to the ground and contains almost all weather?

- A) Stratosphere
- B) Troposphere**
- C) Mesosphere
- D) Thermosphere

2. What process occurs when plants release water vapor into the air through their leaves?

- A) Transpiration**
- B) Condensation
- C) Sublimation
- D) Runoff

3. Which type of rock forms when molten lava or magma cools and hardens?

- A) Sedimentary rock
- B) Metamorphic rock
- C) Igneous rock**
- D) Fossil rock

4. On the Mohs hardness scale, which is the softest mineral with a score of 1?

- A) Quartz
- B) Gypsum
- C) Talc**
- D) Diamond

5. Fossils of ancient organisms are most commonly found preserved in which type of rock?

- A) Sedimentary rock**
- B) Igneous rock
- C) Metamorphic rock
- D) Volcanic rock

6. What is the name of the ancient supercontinent that existed around 300 million years ago?

- A) Gondwana
- B) Pangaea**
- C) Laurasia
- D) Atlantis

7. Which layer of Earth is at the very center and made mostly of solid iron and nickel?

A) Outer core

B) Inner core

C) Mantle

D) Crust

8. What geological process primarily carved out the deep walls of the Grand Canyon over millions of years?

A) Wind deposition

B) Glacial carving

C) River erosion

D) Volcanic eruption