

Earth Science Essentials

Earth Science · Practice Test · 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