ONTARIO EARTH AND SPACE SCIENCE, GRADE 12, UNIVERSITY PREPARATION (SES4U) · UNIT D

# Earth Materials and Geological Processes — Practice Test

**Ontario Earth and Space Science, Grade 12, University Preparation (SES4U) • 10 questions**

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Coal is a sedimentary rock formed from plant material buried and compressed over**

A Weeks

B Hours

C Days

D Millions of years

Understand It with Pulse | Flag a mistake

2 **Contact metamorphism occurs near an intrusion where heat is the main agent, while regional metamorphism involves heat and**

- A Pressure over a large area
- B Weathering
- C Water only
- D Erosion

Understand It with Pulse | Flag a mistake

3 **Gneiss shows banding of light and dark minerals due to high grade regional**

- A Weathering
- B Deposition
- C Erosion
- D Metamorphism

Understand It with Pulse | Flag a mistake

4 **Weathering breaks rocks in place, while erosion involves transport of weathered**

- A Magma
- B Fossils
- C Material
- D Water only

Understand It with Pulse | Flag a mistake

5 **Chemical weathering is fastest in warm, humid climates because water and acids react more**

- A Rarely
- B Never
- C Slowly
- D Quickly

Understand It with Pulse | Flag a mistake

6 **Freeze thaw weathering breaks rock when water in cracks freezes and**

A Evaporates

B Contracts

C Melts

D Expands

Understand It with Pulse | Flag a mistake

7 **A river delta forms where a river deposits sediment as it enters a standing body of**

A Magma

B Ice

C Air

D Water

Understand It with Pulse | Flag a mistake

8 **Glacial till is unsorted sediment deposited directly by**

A Wind

B Oceans

C Glaciers

D Rivers

Understand It with Pulse | Flag a mistake

9 **A tsunami is most commonly generated by a large undersea**

A Volcano only

B Tide

C Earthquake

D Storm

Understand It with Pulse | Flag a mistake

10 **The Richter scale is logarithmic, so each whole number increase represents about ten times greater**

A Amplitude

B Distance

C Duration

D Depth

Understand It with Pulse | Flag a mistake

## ANSWER KEY

| | | | | | |
|---|---|---|---|---|---|
| **1.** | D | **5.** | D | **9.** | C |
| **2.** | A | **6.** | D | **10.** | A |
| **3.** | D | **7.** | D | | |
| **4.** | C | **8.** | C | | |

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