

**1** What is the primary process by which sedimentary rocks are formed?

- a Weathering and erosion of igneous rocks
- b Deposition and burial of organic matter
- c Metamorphism of existing sedimentary rocks
- d Volcanic eruptions and lava flows

**2** Which type of metamorphic rock is known for its use in sculpting and architecture?

- a Slate
- b Marble
- c Granite
- d Obsidian

**3** Which of the following is a key property that differentiates limestone from sandstone?

- a Limestone is primarily made of calcium, while sandstone is made of silica.
- b Limestone forms from the burial of biomass, while sandstone forms from crushed rocks.
- c Limestone is chemically resistant, while sandstone is not.
- d Limestone is found near coasts, while sandstone is found in former ocean basins.

**4** What was the primary use of obsidian in the ancient world?

- a Building construction
- b Fertilizing agricultural land
- c Making weapons and tools
- d Producing glass

**5** How do the formation processes of coal and sandstone differ?

- a Coal forms from the burial of biomass, while sandstone forms from the deposition of smaller rock fragments.
- b Coal forms on land, while sandstone forms underwater.
- c Coal forms from heat and pressure alone, while sandstone requires additional tectonic activity.
- d Coal is primarily made of calcium, while sandstone is primarily made of silica.

**6** Which property of granite makes it a valuable building material?

- a Its ease of carving and shaping
- b Its low cost and wide availability
- c Its chemical reactivity and durability
- d Its resistance to weathering and erosion

**7** Where are marble deposits typically found?

- a In volcanic regions
- b In underground caves
- c In mountain regions near coastlines
- d In areas with abundant biomass