

Foundations of Architecture

Architecture · Answer Key · 8 Questions

1. Which ancient civilization is credited with the development of the dome and the widespread use of concrete in structural architecture?

- A) The Egyptians
- B) The Romans**
- C) The Greeks
- D) The Persians

2. What is the primary function of a flying buttress in Gothic architecture?

- A) To decorate the facade
- B) To support the weight of thin, high walls**
- C) To provide a base for stained glass
- D) To act as a chimney for ventilation

3. Which architectural element is defined as a horizontal beam that spans an opening between two vertical supports?

- A) Lintel**
- B) Keystone
- C) Truss
- D) Cantilever

4. In modern architecture, which material became the standard for high-rise construction due to its high tensile strength?

- A) Adobe
- B) Limestone
- C) Steel**
- D) Timber

5. What is the name of the central wedge-shaped stone at the top of an arch that locks all other stones into position?

- A) Foundation
- B) Keystone**
- C) Capital
- D) Pediment

6. Which architectural style is characterized by geometric shapes, clean lines, and the absence of ornate decoration, often associated with the 20th century?

- A) Baroque
- B) Modernism**
- C) Gothic
- D) Neoclassical

7. What term describes a structural system where one end of a horizontal beam is supported by a vertical wall or pier, while the other end projects into space without external support?

- A) Cantilever**
- B) Suspension
- C) Arch
- D) Vault

8. In classical Greek architecture, which of the three primary orders is recognized by its decorative scroll-like ornaments on the capital?

- A) Doric
- B) Ionic**
- C) Corinthian
- D) Tuscan