

Architectural Wonders and Fundamentals

Architecture · Answer Key · 12 Questions

1. Which architectural order is characterized by scrolls, known as volutes, on the capital of the column?

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

2. The Sydney Opera House, designed by Jørn Utzon, is famous for its roof structure that resembles what?

- A) Ship sails**
- B) Mountain peaks
- C) Desert dunes
- D) Giant shells

3. What is the name of the central vertical support member of a spiral staircase?

- A) Stringer
- B) Baluster
- C) Newel**
- D) Riser

4. Which building material was primarily used to construct the exterior walls of the Roman Colosseum?

- A) Reinforced concrete
- B) Travertine limestone**
- C) Cast iron
- D) Wrought iron

5. What architectural term describes a large, open-air central court in an ancient Roman house?

- A) Atrium**
- B) Rotunda
- C) Portico
- D) Pediment

6. The Burj Khalifa in Dubai currently holds the record for the tallest building in the world. In which year was it officially opened?

- A) 2007
- B) 2008
- C) 2010**
- D) 2012

7. Which architectural style is characterized by pointed arches, ribbed vaults, and flying buttresses?

- A) Neoclassical
- B) Art Deco
- C) Gothic**
- D) Baroque

8. Who is the architect famous for designing the Fallingwater house in Pennsylvania, which is built directly over a waterfall?

- A) Frank Lloyd Wright**
- B) Le Corbusier
- C) Zaha Hadid
- D) Ludwig Mies van der Rohe

9. What is the purpose of a 'keystone' in a stone arch?

- A) To support the base
- B) To lock the voussoirs in place**
- C) To provide aesthetic decoration
- D) To act as a drain

10. The Pantheon in Rome is best known for its massive, unreinforced concrete structure shaped as what?

- A) Square prism
- B) Dome**
- C) Pyramid
- D) Cylinder

11. In architecture, what does the term 'cantilever' refer to?

- A) A decorative column
- B) A beam supported at only one end**
- C) A type of stained glass
- D) A foundation made of mud

12. Which material, developed in the late 19th century, transformed architecture by allowing for the construction of skyscrapers?

A) Mass timber

B) Structural steel

C) Polished marble

D) Sun-dried bricks