PART TWO: THE MEDIA OF ART
Chapter 12: Architecture

Vocabulary

masonry
dressed
post and beam
colonnade
arch
vault
pier
dome
keystone
arcade
concrete
minaret
buttress
trusse
balloon frame
cast-iron
steelp
international style
curtain walls

Multiple Choice Questions

1. Zimbabwe, as in the Great Zimbabwe, means:
   (a) African country
   (b) homage to Zimba
   (c) lion house
   (d) stone house
   Answer: (d)
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2. The Roman aqueduct Pont du Gard is a good example of the _______ method of construction.
   (a) post and beam
   (b) arch
   (c) vault
   (d) load-bearing
   Answer: (b)
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3. The Crystal Palace by Joseph Paxton is an excellent example of architecture using:
   (a) pointed arches and vault
   (b) post and lintel
   (c) structural steel
   (d) cast iron
   Answer: (d)
   Page Ref: 195

4. The architect Frank O. Gehry has the idea that architecture is similar to functional sculpture, as can be seen in his ______.
   (a) Musee D’Orsay
   (b) Italian Pavilion
   (c) Hyogo Children’s Museum
   (d) Guggenheim Museum Bilbao
   Answer: (d)
   Page Ref: 200

5. The Lois and Richard Rosenthal Center for Contemporary Art is typical of the adventurous architectural style of:
   (a) Frank Lloyd Wright
   (b) Zaha Hadid
   (c) Walter Gropius
   (d) Le Corbusier
   Answer: (b)
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6. Architecture is the art and science of designing and constructing buildings for practical, aesthetic, and _______ purposes.
   (a) constructive
   (b) destructive
   (c) symbolic
   (d) historic
   Answer: (c)
   Page Ref: 189

7. Gothic builders were able to open large areas for windows because of the use of the pointed arch and:
   (a) buttresses
   (b) pendentives
   (c) arched vaults
   (d) naves
   Answer: (a)
   Page Ref: 194

8. One of America’s prime contributions to 20th-century architecture was:
   (a) structural steel
   (b) the elevator
   (c) the International Style
   (d) the skyscraper
   Answer: (d)
   Page Ref: 196

9. The Chicago school of architecture was led by the first great modern American architect:
   (a) Louis Sullivan
   (b) Joseph Paxton
   (c) Walter Gropius
   (d) Gustave Eiffel
   Answer: (a)
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**Short Answer Questions**

10. Identify the style attributed to the residential architecture of Frank Lloyd Wright?

11. Provide an example of the post and beam method of construction.

12. List and define three key concepts all architects must deal with.

13. Joseph Paxton’s Crystal Palace is an example of what kind of construction?


15. Define “International Style” and provide an example from the chapter that best exemplifies this style of architecture.

16. Define “truss” and provide an example from the chapter that best exemplifies this type of construction method.

**Essay Questions**

17. Explain how architecture can be both an art and science.
18. Discuss the Roman contribution to architecture.

19. Explain the advantages and disadvantages of the post and lintel method of construction and the skeleton and skin method of construction.

22. Discuss the importance of the Bauhaus to contemporary architecture, using Mies van der Rohe’s credo “less is more.”

23. Compare and contrast the interior of Hagia Sophia with the interior of Notre Dame de Chartres.

24. Compare and contrast the Crystal Palace with the Eiffel Tower.

25. Compare and contrast the International Style of the Bauhaus to the Jeppesen Terminal Building. How does each reflect the time they were constructed?

26. Compare and contrast Wright’s Falling Water with Gehry’s Guggenheim Museum Bilbao. Make sure to discuss the aims of each architect.

27. What were the contributions of Louis Sullivan and the Chicago school of architecture?

28. Citing examples, what are the strengths and weaknesses of post and lintel construction?

29. Citing examples, discuss the engineering developments of the Romans.

30. Zaha Hadid has been described as a Deconstructionist architect. Citing examples, discuss why she has been described in this way.

31. What is the aim of environmental design? What are the different aspects of environmental design? Discuss how environmental design might be used to improve your community.