

Architecture Features Through the Ages Worksheet

As you watch the PowerPoint on Architectural Features Through the Ages fill in summary with the correct answers.

Paleolithic and Neolithic Era

1. What were the name of the traveling people who had first taken interest in building self-supported structures instead of the easily used, if available, caves?

2. What was the first most common substance used to build more permanent structure?

3. As humanity learned to farm as well as hunt, more permanent structures begin to appear. They homes were made from
_____.
4. What is one famous Neolithic structure made from megaliths?

5. Door and window openings in supporting walls were created, without losing structural integrity by what two methods?

Egyptian Architecture

6. Most of Egypt's ancient towns have been lost because they built

7. What construction method was used most often in early Egyptian structures?

8. Egyptians constructed with mudbrick as well, except the Egyptians added other components to their mudbrick, what was it?

9. These materials added tinsel strength. What is tinsel strength?

10. Egyptian people kept cool in hot weather by

11. Little attention was paid to buildings for everyday life. Egyptians paid more attention to building 3 other structures:

12. What were the Egyptians famous for constructing?

13. Who lived in the pyramids?

Greek Architecture

14. Ever since the Geometric Period (900-725 BCE), the main task of the Greek architect was:_____

15. Early Greek architecture employed wood, not stone. Timber was used mainly for roofing and was a very scarce commodity which affected a building

16. Greek temples, like Egyptian temples, used basic post-and-beam construction (column and lintel). This is sometimes referred to as _____

17. Once Greek designers became familiar with the Egyptian architect, Imhotep, they began the replacement of wood structures with stone. This was called

18. The use of stone led to 3 architectural systems for building with their strict rules. Describe them below.

Architectural system	Description

19. In their homes, the Greek people built what to act as a natural air-conditioner?

20. Why were burglars termed "wall piercers"? _____

21. The living arrangements in a Greek home were different than how we live. Explain the living arrangement for the Greeks.

Roman Architecture

22. Roman architects borrowed ideas from the _____ and improved them.
23. The Romans did not invent the arch. Arches have been used since prehistoric times. What ancient groups of people used them?

24. The Romans perfected the use of three architectural elements:

1. _____
2. _____
3. _____

25. Draw the forces that are applied on each stone in an arch. Draw the forces that are applied in beam construction. Which construction allows for larger interior space in Roman buildings? _____

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26. What is a vault in Roman construction? _____
27. With larger living spaces produced using arch construction, why were windows still limited in buildings?

28. What are the ingredients in Roman concrete?

29. Explain hydraulic cement.

30. Most Romans lived in insulas. Describe some characteristics of a typical insula and the quality of the building.

31. If you were of a higher class you would live in a building called a domus. Compare and contrast an insula and a domus.

Insula	Same	Domus