CHAPTER 15 - ARCHITECTURE Q&A - DUE FRIDAY APRIL 10 NAME 1. It is thought that the sloping sides of the pyramids in Egypt were intended to 11. What enabled the Romans to create larger interior architectural spaces than mimic or refer to ______. Pg.358 the Greeks. 2. The Pont du Gard, in Nîmes, France, is a ___ 12. In the Gothic period, when Notre Dame de Paris was built, architects And is made up many of which architectural element or form? preferred to use a) pointed arches. b) barrel vaults. c) solid wall construction. ___. Pg.363 d) domes. Pg.367 3. Notre Dame Cathedral, in Paris, is an example of which architectural style? 13. How did Gothic architects compensate for the lateral thrust of the cathedrals? _____. Pg.367 ____. Pg.367 4. Robie House is a work by architect _____ 14. The Romans perfected which architectural innovation by the end of the first 5. The International Style is a type of architecture with these formal appearances century BCE? ___ 15. Which architectural work was the centerpiece for the 1889 Paris Exposition? 6. What makes Johnson and Burgee's University of Houston, College of Ar-Pg.368 ___ chitecture (and The Denver Public Library by Michael Graves) postmodern? 16. Frederick Olmsted conceived of what now common architectural concept? Pg.356-357 Pg.385 17. Frank Lloyd Wright designed several houses that were based on the "vastness of the western landscape" and were "of the land, not just on the land." What did 7. Louis Sullivan utilized which type of construction in the late 19th century in he call this style of house? Pg.373 ___ Chicago to build increasingly tall buildings? Pg.371 18. Architectural styles and building techniques are often dependent upon... 8. The Seagram Building, designed by Philip Johnson and Mies van der Rohe, Pg.357 _____ ____ (the lay of the land and climate) and is an example of what style of architecture? Pg.377 (available materials and the ability to manipulate them). 9. What are the names for underground spaces for ceremonial life at Mesa Verde? The characteristic that allows a material to span a horizontal distance without sagging or breaking under its own weight is called what? ____ 10. What building method was used in construction of the Egyptian pyramids? 19. Name the three Greek architectural orders. 10. Define these Construction Methods a) load bearing 20. What are the advantages and disadvantages of the post-and-lintel method of b) truss construction compared to the skeleton and skin method of construction? c) post and lintel d) skeleton and skin

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DEFINITION TERM In architecture, this is one of the two basic structural systems. With tensile strength a shell system, the material that is being built with provides both the structural support and the outside covering of the building. pointed arch This is the other structural system in architecture. It uses an interior frame, or skeleton, which supports a more fragile outer covering of a flying buttress building, or its skin. post-and-lintel construction In architecture, this is the ability of a building material to span horizontal distances without support and without buckling in the middle. round arch In architecture, this is a construction method where the walls bear the weight of the roof. shell In architecture, this is a system of building in which two posts support a crosspiece, or a lintel, that spans the distance between them. skeleton-and-skin A round arch is a curved, often semicircular architectural form that spans an opening or space built of wedge-shaped blocks, with a keystone keystone centered at the top. kiva A barrel vault is a masonry (stone) roof constructed on the principle of the arch. It is essentially a long series of arches stacked against one another, load bearing like a tunnel. This is a roof that is generally in the shape of a hemisphere, or halfbarrel vault An arch that is not semicircular, but rather it rises more steeply to a point truss at its top. dome The supports that counteract the outward force of interior arches. Flying buttresses are unique, because they stand away from the exterior wall, cast iron appearing light and delicate. A rigid, strong construction material made by adding carbon to iron. international style A true skeleton-and-skin building method, commonly used in domestic wood frame construction architecture. In architecture, a triangular framework that because of its rigidity, can reinforced concrete span much wider areas than a single wooden beam.

strengthen and make concrete less brittle.

A twentieth century style of architecture and design marked by its almost austere geometric simplicity.

Concrete in which steel reinforcement bars, (or rebars) are placed to both

TWO TERMS AT RIGHT ARE UNDEFINED - WRITE A DEFINITION BELOW

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