Dome

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Dome architecture resembles an upper half of a circle. The inside of the dome is most of the time hollow. Most domes are help in position by multiple arches in the center. These structures can be found all around the world and are still being used today. Domes were most popular during the Renaissance period and use widely by the ancient Roman Empire. Domes go back to the beginning of human civilizations. Many early humans used materials around them to build dome like structures which they lived in.

Ancient dome like structures have been found built with mammoth tusks and bones in Mezhirich, Ukraine in 1965. Many of the structures found dated back from 19.280 – 11,700 BC. After time past many of these old versions were updated by more modern humans like the Native Americans and there huts named



Wigwam's, these were the first dome like structures to introduce arches for support. The arches were branches or sometimes poles covered with grass

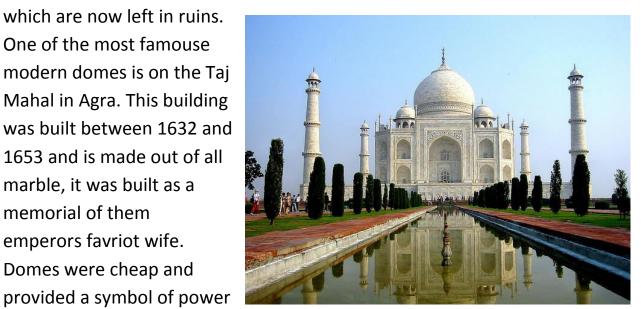
or animal hides. Another example of an early dome would be the igloo. The igloo is built from blocks of tightly packed snow and was comminly used by the Inuit people. Archioligists believe that nearly ever culture used this architectual feature. The Egyptians used domes as graineries



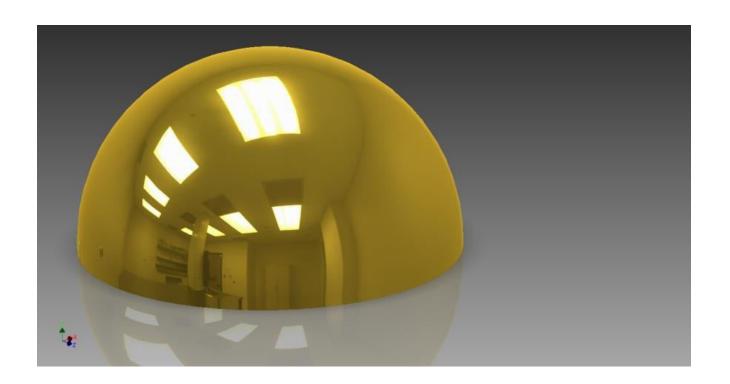
and tombs. There were many advancments to this simple design over time, but the ones to take it to an extreme level was the Romen Empire. The

Roman Empire used domes in almost all there buildings. They were the first to make large scale dome buildings and made many architecual advancment to the domes for stability and design. Not to long after the Romans began using domes the Sassanid Empire better known today as Persia began implementing there dome design to there buildings. They were the first to turn squars roofs into domes and nearly redid all there buildings. Some of the most famouse of these are the Palace of Ardashir, and Ghal'eh Dokhtar

which are now left in ruins. One of the most famouse modern domes is on the Taj Mahal in Agra. This building was built between 1632 and 1653 and is made out of all marble, it was built as a memorial of them emperors favriot wife. Domes were cheap and



during this time. They were also very easy to make and very quick compard building other large scale features. Some other benifites from domes are the strength and energy efficiency. Today we still use domes such as in churches and even the white house and other monuments. Back during the Roman Empire they built there domes with common stones such as clay marble and even granit, today we build ours with concrete and sometimes other stones or metals.



Sources.

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conclusion questions.

1. Some factors that affect the develoment can be things such as price, energy efficiency and strength. Also a big one can be labor.