**Architecture**

Order 1597426

Description

The essay for this lesson must be 1,000 to 1,500 words in length and clearly demonstrate your understanding of the prompt. Essays should be 5 or more paragraphs with a clear introduction, thesis statement and conclusion, written in APA format (https://owl.english.purdue.edu/owl/). Please include in-text citations and a reference list. At least two of your references should come from this lesson.  You may select from one of the following prompts: Imagine that you are an architect who specializes in environmentally-friendly building design. Identify and describe some of the environmental, health, and economic benefits of incorporating daylighting and passive heating/cooling strategies into your designs. Be specific: support your assertions with specific statistics, facts, examples, and/or descriptions. Select any three buildings or structures described in the lesson materials (readings or videos). For each building/structure, describe (a) why it caught your attention (why do you think it's interesting or notable?), (b) the climate of the building/structure's location, (c) the daylighting, passive heating, passive cooling, PV, and/or active solar techniques that are incorporated into its design, and (d) how and why these design strategies are effective.  Imagine that you are an architect constructing three new, environmentally-friendly buildings in the Northern Hemisphere. For environmental and economic reasons, you plan to incorporate plenty of daylighting and passive heating/cooling features into each design. The first building is located in a hot, dry climate. The second building is located in a temperate climate (hot and humid in the summer, dry and cold in the winter). The third building is located in a year-round hot, humid climate. Explain how and why differences in climate will dictate differences in design. Describe the daylighting and passive heating/cooling design features you will incorporate into each structure, and explain your choices.