Assignment 8

Due on 2016-11-11, 11:59 PM ET

Unit 10 - Week 8: Flat Plate Collectors

1. In a flat plate collector, higher values of density and lower values of high-temperature materials can be achieved by inserting a ________ layer. 1 point

2. Is the plate thickness of a flat plate collector affected by the material used in the absorber plate? 1 point

3. Explain the reason for inserting a thermal insulation layer in a flat plate collector. 1 point

4. The efficiency of a flat plate collector depends on the angle of the collector plate. 1 point

5. In order to maintain the maximum temperature difference in a flat plate collector, the reflection of the absorber plate should be ________. 1 point

6. When selecting a material for the absorber plate of a flat plate collector, the collector should be connected to a DC system. 1 point

7. What is the primary function of a flat plate collector? 1 point

8. Calculate the efficiency factor for a flat plate collector. 1 point

9. In order to maintain the maximum temperature difference in a flat plate collector, the reflection of the absorber plate should be ________. 1 point

10. What is the primary function of a flat plate collector? 1 point

11. Calculate the efficiency factor for a flat plate collector. 1 point

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