

Question 1

There is no temperature change for ideal gases that are undergoing isentropic processes.

Selected Answer: False

Question 2

Which of the following statements is false?

Selected Answer: Similar to energy, entropy must always be conserved.

Question 3

The specific entropies of liquids are considered to be independent of pressure.

Selected Answer: True

Question 4

The entropy change for any solid, liquid, or gas is dependent only on temperature.

Selected Answer: False

Question 5

The area under the process curve in a T-s diagram represents the amount of heat transfer for any process.

Selected Answer: False

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Question 3

What is an isentropic process?

Selected Answer: A process in which there is no change in entropy.

Question 4

The temperature increases from T_1 to T_2 for a process. When assuming a constant specific heat for engineering calculation, at which temperature is the value of the specific heat used?

Selected Answer: Mean value of T_1 and T_2

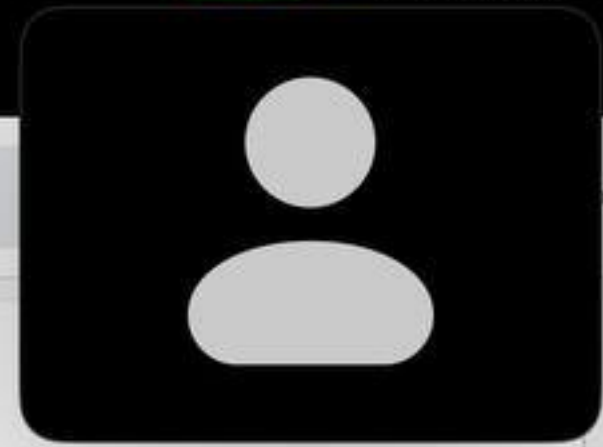
Question 5

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Selected Answer: False

Friday, August 30, 2024 8:29:08 PM SGT

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Question 5

Which of the following statements is false?

Selected Answer: Similar to energy, entropy must always be conserved.

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