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NPTEL

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Courses » Introduction to Chemical Thermodynamics and Kinetics

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Assignment 0

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-02-04, 23:59 IST.**1) What is the value of gas constant R? **1 point**

- 8.314 J K⁻¹ mol⁻¹
- 0.082 J K⁻¹ mol⁻¹
- 0.082 kJ K⁻¹ mol⁻¹
- 8.314 L atm K⁻¹ mol⁻¹

No, the answer is incorrect.**Score: 0****Accepted Answers:***8.314 J K⁻¹ mol⁻¹*2) An isochoric process implies **1 point**

- Constant temperature condition
- Constant pressure condition
- Constant volume condition
- No exchange of heat

No, the answer is incorrect.**Score: 0****Accepted Answers:***Constant volume condition*3) 1 bar pressure equals **1 point**

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No, the answer is incorrect.

Score: 0

Accepted Answers:



1 point

No, the answer is incorrect.

Score: 0

Accepted Answers:

6) Which of the following is incorrect?

1 point



No, the answer is incorrect.

Score: 0

Accepted Answers:



1 point

No, the answer is incorrect.

Score: 0

Accepted Answers:

8) If u is a differentiable function of x , and f is a differentiable function of u , then which of the following is true? (Hint: Chain rule for differentiation)

1 point



No, the answer is incorrect.

Score: 0

Accepted Answers:



1 point

No, the answer is incorrect.

Score: 0

Accepted Answers:

10) Which of the following variables is not extensive? 1 point

- Volume
- Energy
- Enthalpy
- Temperature

No, the answer is incorrect.

Score: 0

Accepted Answers:

Temperature

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