

Lab Module 8 Quiz

已开始: 5月22日 18:10

测验说明

You have 2 attempts for this quiz. Only your highest attempt will count towards your grade. The quiz is untimed.

问题 1

10 分

Did you use your Part 1 simulation data to create a graph that shows the relationship between pressure and temperature?

Does the graph have a title?

Is the x-axis labeled as follows? Temperature (K)

Is the y-axis labeled as follows? Pressure (atm)

问题 2

5 分

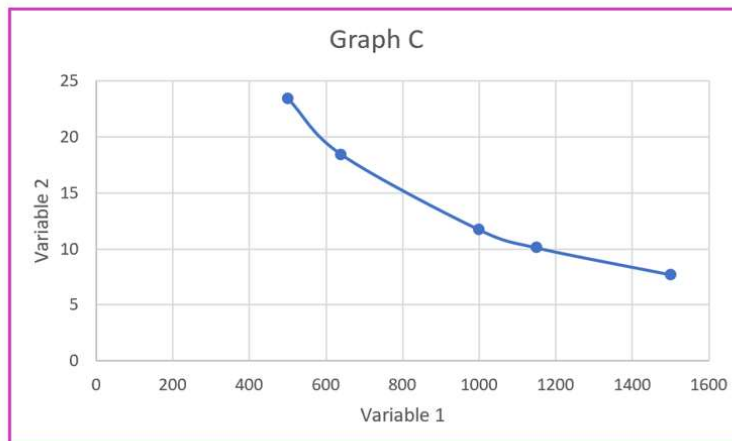
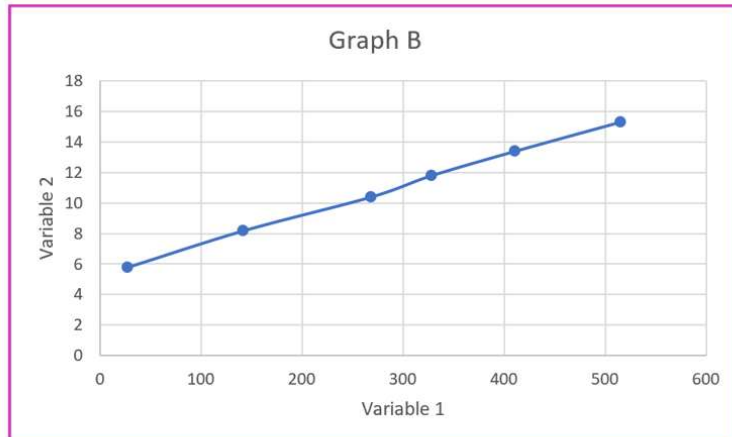
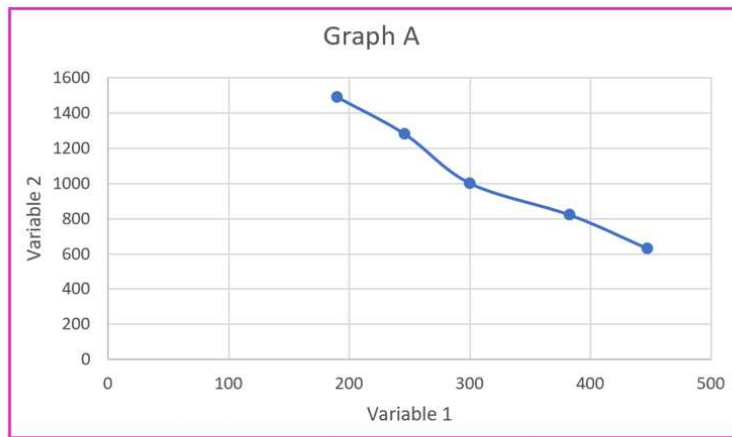
Upload a copy or image of your Part 1 graph (T vs. P).

上传

问题 3

5 分

Which image best depicts the graphical relationship between the pressure and temperature of a gas?



- Graph A
- Graph B
- Graph C
- The graph for T vs. P is not shown.

问题 4

10 分

Did you use your Part 2 simulation data to create a graph that shows the relationship between pressure and volume of a gas?

[选择] ▼

Does the graph have a title? [选择] ▼

Does the x-axis have the following label? Volume (nm^3)

[选择] ▼

Does the y-axis have the following label? Pressure (atm)

[选择] ▼

问题 5

5 分

Upload a copy or image of your Part 2 graph (V vs. P).

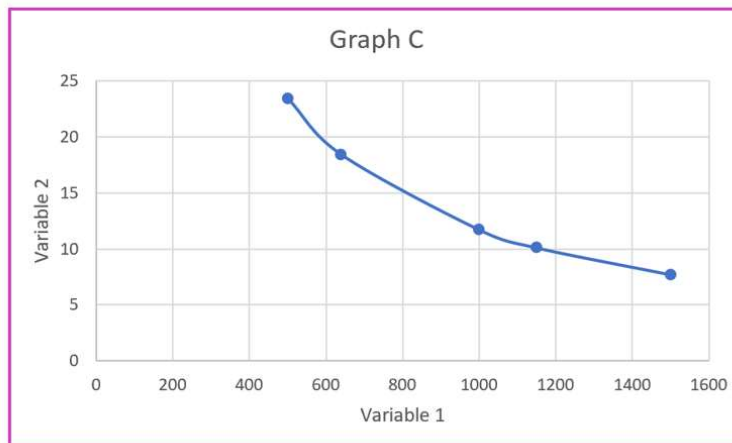
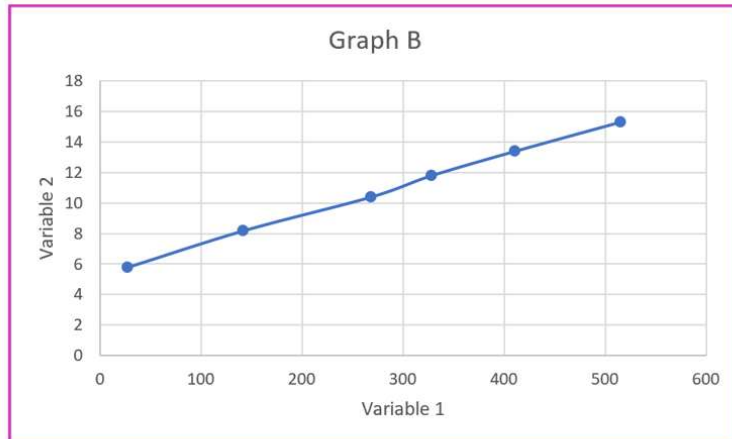
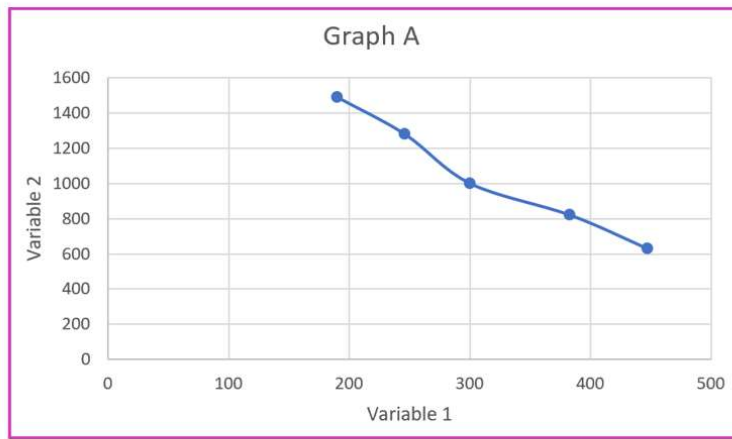
上传

选择文件

问题 6

5 分

Which image best depicts the graphical relationship between pressure and volume of a gas?



- Graph A
- Graph B
- Graph C
- The graph for V vs. P is not shown.

问题 7

5 分

Step 14 of the procedure stated:

Use the handle to make the tank about half as big. What happened to the pressure of the gas when you decreased the volume of the tank?

The volume of the tank was decreased from 1000 nm^3 to 500 nm^3 . What happened to the pressure of the gas?

- The pressure decreased by one-fourth.
- The pressure decreased by one-half.
- The pressure stayed the same.
- The pressure doubled.
- The pressure quadrupled.

问题 8

10 分

Did you use your Part 3 simulation data to create a graph that show the relationship between the temperature and volume of a gas?

[选择] ▼

Does your graph have a title?

[选择] ▼

Is the x-axis labeled as follows? Temperature (K)

[选择] ▼

Is the y-axis labeled as follows? Volume (nm^3)

[选择] ▼

问题 9

5 分

Upload a copy or image of your Part 3 graph (T vs. V).

上传

选择文件

问题 10**10 分**

Did you use your Part 4 simulation to create a graph that shows the relationship between the number of gas particles and volume of the gas?

[选择]

Does your graph have a title?

[选择]

Is the x-axis labeled as follows? Number of Gas Particles

[选择]

Is the y-axis labeled as follows? Volume (nm³)

[选择]

问题 11**5 分**

Upload a copy or image of your Part 4 graph (Number of Particles vs. V).

上传

选择文件

问题 12**6 分**

Match the relationship with the correct name of the gas law.

V vs. P

[选择]

V vs. T

[选择]

T vs. P

[选择]

Moles vs. V

[选择]

问题 13**6 分**

Complete the following table.

Relationship	Direct or Indirect?
V vs. P	[选择]
V vs. T	[选择]
T vs. P	[选择]
Moles vs. V	[选择]

问题 14**6 分**

Each part of the experiment focused on the relationship between two different parameters or variables. Two parameters were held constant. Complete the following table showing which parameters are held constant. Remember that the symbol n is used to represent moles.

Relationship	Constant 1	Constant 2
V vs. P	[选择]	[选择]

An infected tooth forms an abscess (area of infected tissue) that fills with gas. The abscess puts pressure on the nerve of the tooth, causing a toothache. While waiting to see a dentist, the person with the toothache tried to relieve the pain by treating the infected area with moist heat. Will this treatment help? Why or why not?

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在 18:21 保存测验

提交测验