Stoichiometric Calculations, Limiting Reagents, and Gas Laws — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A stainless steel pressure cooker on a gas stove burner. A gas at pressure 150 kilopascals occupies 4 litres. At constant temperature its pressure is changed to 300 kilopascals. Its new volume, in litres, is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **A gas at pressure 90 kilopascals occupies 6 litres. At constant temperature its pressure is changed to 180 kilopascals. Its new volume, in litres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A gas occupies 250 millilitres at 250 kelvin. At constant pressure its temperature is changed to 500 kelvin. Its new volume, in millilitres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A gas occupies 400 millilitres at 400 kelvin. At constant pressure its temperature is changed to 800 kelvin. Its new volume, in millilitres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5

An excess reagent is the reactant

- A used up first
- B left over after the reaction
- C that limits the yield
- D with the smallest mass

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 2
2. 3
3. 500
4. 800
5. B

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