

Answers to Practice Problems B in page 425

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1. 142 mL
2. 6.58 mL
3. 7.9×10^5 L
4. 1.4×10^2 mL

Homework — **GENERAL**

Additional Practice

1. If 2.5 L of a gas at 110.0 kPa is expanded to 4.0 L at constant temperature what will happen to the pressure? What will be the new value of pressure? **Ans. the pressure will decrease to 69 kPa**
2. If 650 mL of hydrogen is stored in a cylinder with a moveable piston at 225 kPa and the pressure is increased to 545 kPa at constant temperature, what is the new volume? **Ans. 268 mL**
3. If the volume of a gas is tripled at constant temperature, what will happen to the pressure? **Ans. It will decrease to 1/3 of its original value.**

LS Logical