





Lecture 5 CH102 A2 (MWF 11:15 am) Spring 2019 Copyright © 2019 Dan Dill dan@bu.edu	Lecture 5 CH102 A2 (MWF 11:15 am) Spring 2019 Copyright © 2019 Dan Dill dan@bu.edu
[TP] A container of volume <i>V</i> is filled with a gas at 20 °C. If <i>V</i> is decreased (while keeping <i>T</i> constant), the pressure <i>P</i> exerted by the gas on the walls of the container goes up ($P = nRT/V$). Why?	[TP] A container of volume V is filled with a gas at 20 °C. If V is decreased (while keeping T constant), the pressure P exerted by the gas on the walls of the container goes up ($P = nRT/V$). Why?
 0% 1. The particles move faster 0% 2. The particles move slower 0% 3. The particles hit the walls harder 0% 4. The particles hit the walls less hard 0% 5. The particles hit the walls more often 0% 6. The particles hit the walls less often 	 17% 1. The particles hit the walls with more force 17% 2. The particles hit the walls less force 17% 3. The particles hit the walls with more momentum 17% 4. The particles hit the walls less momentum 17% 5. 1 and 3 17% 6. 2 and 4
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