

7	<p><b>C is the correct answer</b></p> <p>A is not the correct answer as mean square velocity increases as the gas is heated</p> <p>B is not the correct answer as <math>p \propto T</math>, so <math>T</math> quadruples when <math>p</math> quadruples</p> <p>D is not the correct answer as <math>p \propto T</math>, so <math>T</math> quadruples when <math>p</math> quadruples</p>	(1)
	<p><b>C is the correct answer</b></p> <p>A is not the correct answer as mean square velocity increases as the gas is heated</p> <p>B is not the correct answer as <math>p \propto T</math>, so <math>T</math> quadruples when <math>p</math> quadruples</p> <p>D is not the correct answer as <math>p \propto T</math>, so <math>T</math> quadruples when <math>p</math> quadruples</p>	(1)