QUIZIZZ Worksheets

Name

BOYLE'S LAW

Total questions: 10

Worksheet time: 22mins

Instructor name: Khaled Barhoom

Class

Date

1. What is the formula for Boyle's Law?

   a) $P_1V_1=P_2V_2$
   b) P_1V_1/P_2V_2
   c) $P_1V_2=P_2V_1$
   d) $P_1/V_1=P_2/V_2$

2. When Pressure increases then the Volume must...

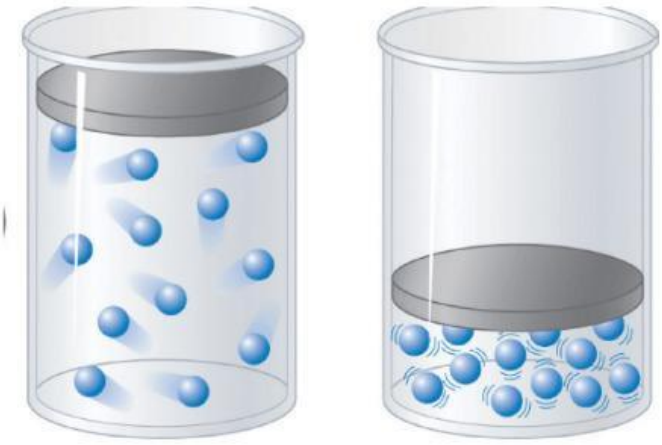
   a) Increase
   b) decrease

3. When Volume increases then Pressure must...

   a) Increase
   b) Decrease

4. A gas at a volume of 4 liters is at a pressure of 2 atm. The volume is changed to 16 Liters, what must the new pressure be?

   a) 2 atm
   b) 12 atm
   c) 10 atm
   d) 0.5 atm

5. 

   Which container will have a lower pressure?

   a) left
   b) right
   c) they both have the same pressure
   d) I don't know

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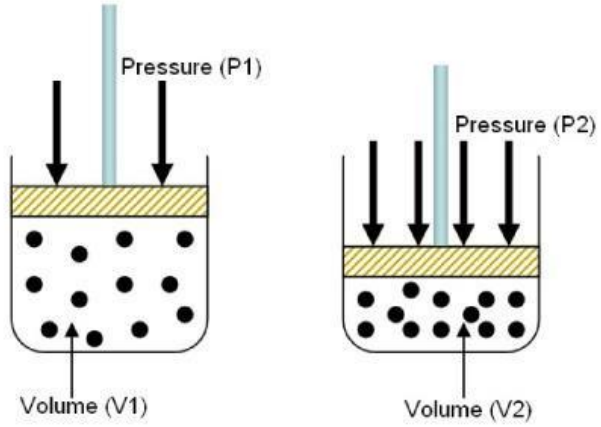
6. What type of relationship to pressure and volume have?

a) direct
b) inverse
c) no relationship
d) I don't know

7. The relationship of which two variables are compared in Boyle's Law?

a) pressure & volume
b) volume & temperature
c) temperature & pressure
d) volume & moles (amount of gas)

8.



What happened to the volume between the two steps?

a) volume increased
b) volume decreased
c) volume stayed the same

9. True or False: Gases can be compressed.

a) True
b) False

10. The relationship of which two variables are compared in Boyle's Law?

a) pressure & volume
b) volume & temperature
c) temperature & pressure
d) volume & moles (amount of gas)

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