CILVIIV
Chemistry Ch.14 Review
1. a measure of how much the volume of matter decreases under pressure Compressibility 2. the pressure exerted by a gas in a mixture partial pressure 3. the escape of gas through a small hole in a container effusion 4. tendency of molecules to move to regions of lower concentration diffusion
5. Why is a gas easier to compress than a liquid or a solid? Less Lerse / further apart
6. A How does the gas propellant move when an aerosol can is used?  a. from a region of high pressure to a region of lower pressure  b. from a region of high pressure to a region of equally high pressure  c. from a region of low pressure to a region of higher pressure  d. from a region of low pressure to a region of equally low pressure  7. If the volume of a container of gas is reduced, what will happen to the pressure inside the container? VI P1 (Boyles)  8. If a balloon is squeezed, what happens to the pressure of the gas inside the balloon? VI P1 (Boyles)  9. What happens to the temperature of a gas when it is compressed?  10. What happens to the pressure of a gas inside a container if the temperature of the gas decreases? T1 P1 (G-L's)  11. If the temperature of a gas is raised five times higher, what will happen to pressure? Five times higher  12. Why does air escape from a tire when the tire valve is opened? Pressure made higher than outside H > L  13. List 4 ways to increase the PRESSURE in a container:
JV, TT, add more gas
14. The volume of a gas is doubled while the temperature is held constant. How does the gas pressure change? Cuts in helf 15. Boyle's law states that A.  (a) the volume of a gas varies inversely with pressure  (b) the volume of a gas varies directly with pressure  (c) the temperature of a gas varies inversely with pressure  (d) the temperature of a gas varies directly with pressure  (d) the pressure of a gas is inversely proportional to its temperature in kelvins  (e) the volume of a gas is directly proportional to its temperature in kelvins  (c) the pressure of a gas is directly proportional to its temperature in kelvins  (c) the pressure of a gas is directly proportional to its temperature in kelvins  (c) the volume of a gas is directly proportional to its temperature in kelvins  (c) the volume of a gas is directly proportional to its temperature in kelvins  (c) the pressure of a gas is inversely proportional to its temperature in kelvins  (c) the volume of a gas is directly proportional to its temperature in kelvins  (c) the volume of a gas is directly proportional to its temperature in kelvins  (c) the pressure of a gas is directly proportional to its temperature in kelvins  (d) the volume of a gas is directly proportional to its temperature in kelvins  (e) the volume of a gas is directly proportional to its temperature in kelvins  (e) the volume of a gas is directly proportional to its temperature in kelvins  (e) the volume of a gas is directly proportional to its temperature in kelvins  (e) the volume of a gas is directly proportional to its temperature in kelvins  (f) the volume of a gas is directly proportional to its temperature in kelvins  (f) the volume of a gas is directly proportional to its temperature in kelvins
18. What happens when a piston is used to decrease the volume of a contained gas?  a. Fewer gas particles exert a force on the piston.  b. The piston's pressure on the gas becomes greater than the pressure exerted by the gas on the piston.  c. Gas particles become compressed.  d. Gas particles leak out of the container.  19. A gas occupies a volume of 4.2 L at 16.3 kPa. What volume will the gas occupy at 64.8 kPa?
21. The combined gas law relates which gas properties? T, P, V  22. The tendency of molecules to move toward areas of lower concentration is called
24. Which instrument measures atmospheric pressure?
DATOMET

