Name	Class	Date
Assessment		
Gases		tink note in alternative (Fe . 2)

Section Quiz: Gas Volumes and the Ideal Gas Law

In the space provided, write the letter of the term or phrase that best completes each sentence or best answers each question.

each sent	ence or best answers each question.
1	 At the same temperature and pressure, balloons of equal volume always contain a. equal masses of gas. b. equal numbers of molecules. c. equal densities of gas. d. equal number of atoms.
2	 a. The person who established that water must contain twice as many hydrogen atoms as oxygen atoms was a. Dalton. b. Avogadro. c. Gay-Lussac. d. Boyle.
3	 The coefficients in a balanced chemical equation involving diatomic gases indicate the relative numbers of all of the following except a. atoms. b. molecules. c. moles. d. volumes.
4	 a. 22.41 atm. b. 22.41 mL. c. 22.41 Pa. d. 22.41 L.
5	 Which law implies that the volume of a gas is directly proportional to the number of moles of the gas? a. Charles's b. Boyle's c. Avogadro's

d. Gay-Lussac's

Name _	516	Class	Date
Secti	on Quiz, continued		ofference state
3679	a. pressure, volume moles.b. pressure, volume c. the gas constant	states the relationship and temperature, the gas ne, and temperature only t and pressure only.	constant, and number of
	 7. If the pressure and volume proportion a. difficult to calc b. unknown. c. whole numbers d. square roots. 	ulate.	constant, gases react in
	 8. In the reaction N₂(N₂ to NO₂? a. 1:1 b. 1:2 c. 2:1 d. 2:5 	$(g) + 2O_2(g) \rightarrow 2NO_2(g),$, what is the volume ratio of
34,41	9. In gas stoichiomet is thea. ideal gas law.b. law of combiningc. kinetic-moleculed. law of partial partial partial partial	ng volumes. ar theory.	between moles and volume
	10. Which is one way a. mol•atm/(L•K) b. mol•K/(L•mm H c. L•K/(mol•kPa) d. L•kPa/(mol•K)		for the ideal gas constant?