

Which of the following has geometrical isomer?

- No correct answer
- $\text{CH}_3\text{CH}=\text{CH}_2$
- $\text{CH}_3\text{CH}=\text{C}(\text{OH})_2$
- $\text{C}(\text{OH})_2=\text{C}(\text{OH})_2$



24 of 44 How many valance electrons are in PH_3 ?

8

6

3

2



Which of these compounds is most likely to be covalent?

- RbS
- H_2S
- CaO
- SiO_2



Frequency (Hz)

المصفوح: 00:42:26

- is the number of waves that pass through a particular point in 1 second
- is the distance between identical points on successive waves
- None of the above
- is the vertical distance from the midline of a wave to the peak or trough

مصفوح الأسئلة

Kuif University



14	13	12	11
19	18	17	22
24	23	22	

التالي <

Final exam b Chem 110

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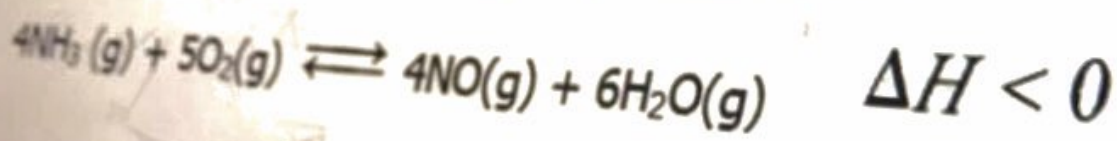
A 0.9 moles of gas is found to occupy 2L. How many moles of the gas are present at 6 L

- 1.5
- 2.7
- 0.003
- 0.3

تصفح الأسئلة

4	3	2	1	•
9	8	7	6	5

Predict the effect of increasing temperature on K_c



- K_c unchanged
- K_c increases
- No correct answer
- K_c decreases



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All of the following is aromatic except?

C_6H_6

$C_6H_4Br_2$

C_7H_{16}

C_6H_5Br



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A protein is

- an aromatic hydrocarbon
- a saturated ester of glycerol
- one of the units making up a nucleic acid
- a polymer of amino acids



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44 What is the wavelength of radiation that has a frequency of $6.912 \times 10^{16} \text{s}^{-1}$?

- 4.340 nm
- 1.447×10^{-15} nm
- 2.074×10^{23} nm
- 2.304×10^6 nm

44 One liter of an aqueous solution contains 1.505×10^{20} H_3O^+ ions. Therefore, its H_3O^+ concentration is

- 5.250 mole per liter
- 2.5×10^{-4} mole per liter
- 1.505×10^{20} mole per liter
- 0.025 mole per liter

^	24	2
■	29	2
v	34	2

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^	24	2
■	29	2
v	34	2

Diamagnetic substance



Halogens group



None of the above



Contain net unpaired electrons in the outermost subsh



Do not contain net unpaired electrons (all electrons are paired) in the o



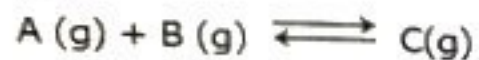
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How many moles of sulfur are in 6.02×10^7 atoms of sulfur (S)?

- 1×10^{-16} mole
- 1×10^{16} mole
- 1×10^{-13} mole
- 1000000 mole

Assume that the reaction below is at equilibrium. How would the value of K_c change with an addition of A?



- Depend on reaction time
- No correct answer
- Increase
- May be increase or decrease

متصفح الأسئلة

19	18	17	16	15
24	23	22	21	20
29	28	27	26	25
...



متصفح الأسئلة

السؤال التالي <

> السؤال السابق

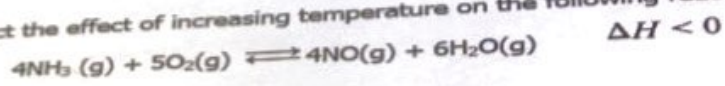
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Predict the effect of increasing temperature on the following reaction



- toward products
- goes right
- goes left
- no change

>	19	18
	24	23
<	29	28



متصفح الأسئلة

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Which ion is not isoelectronic with Ar

- K^+
- Br^-
- Ca^{2+}
- Sc^{3+}

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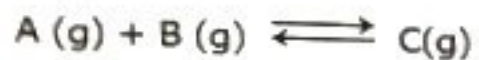
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hp



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متصفح الأسئلة

^	19	18	17	16	15
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v	29	28	27	26	25



متصفح الأسئلة

< السؤال التالي

السؤال السابق >

Which element has the following ground-state electron configuration $[\text{Kr}] 5s^2 4d^{10} 5p^6$

- I
- La
- Xe
- Ba



How many moles of sulfur are in 6.02×10^{23} atoms of sulfur (S)?

- 1×10^{-16} mole
- 1×10^{16} mole
- 1×10^{-13} mole
- 1000000 mole

4 Calculate the percent composition by mass of O in $C_6H_{12}O_6$

- 6.71%
- 35.67%
- 53.28%
- 40.00%

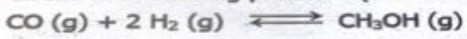
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An object has a mass of 4×10^{-7} g and volume of 4.6 mL. Its density

- 8.7×10^{-8} g/mL
- 8.7×10^{-7} g/mL
- 8.7×10^{-6} g/mL
- 8.7×10^{-5} g/mL

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Predict the effect of increasing pressure (decreasing volume) on the following reactions



- goes right
- no effect
- no correct answer
- goes left

19	18	17
24	23	22
29	28	27



متصفح الأسئلة

السؤال التالي <

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of 44

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سؤال الأستله

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The correct name for $Mg(OH)_2$ is

- magnesium hydrogen oxide
- magnesium hydrate
- magnesium oxide
- magnesium hydroxide



The sample of argon occupies 25 L at 25 °C. What volume with the gas occupy if the temperature is decreased to the half?

- 0.5 L
- 25 L
- 12.5 L
- 50 L

منصف الأسئلة



منصف الأسئلة

السؤال التالي <

> السؤال السابق