



Asosiy kimyoviy tushunchalar

Takrorlash uchun - testlar

1 Kimyo - bu nima ?



Moddalarning tarkibi, tuzilishi, xossalari va o'zgarishlarini, shuningdek, bu o'zgarishlarda sodir bo'ladigan hodisa-jarayonlarni o'rganuvchi fandir

Yerning yuza qismini ularning tabiiy sharoit bilan, unda aholining taqsimlanishini, iqtisodiy resurslarini o'rganuvchi fandir.

Tirik tabiat, o'simliklar va hayvonlar, organik hayotning qonunlari haqidagi fandir.

Materiyaning tuzilishi va xossalari, uning harakat va o'zgarish shakllari, tabiatdagi o'zgarishlarni umumiy qonuniyatlari haqidagi fandir.

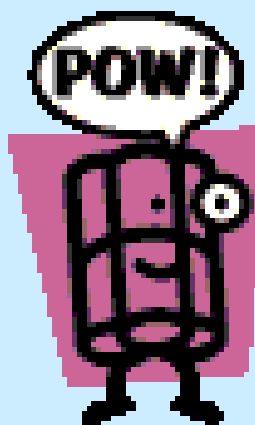
2 Modda - bu nima?

Bu fizik jismlarni tashkil etuvchidir

Bu atim va molekulalarni tashkil etuvchisidir

Bu kimyoviy elementdir

Bu kimyoviy belgidir



Bu qanday
modda va uni
kim o'ylab
topgan?

3

Qaysi bir olim modda tuzilishini o'rgangan?



M. V. Lomonosov



Antuan Lavuaze



Yi. Ya. Bertsilius



A. M. Butlerov

Lomonosov korpuskula deb..... nomlagan?



atomlarni

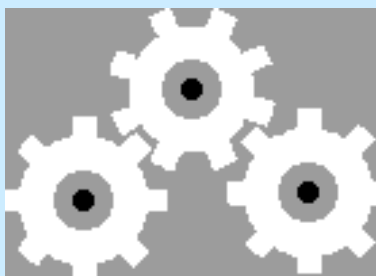
Kimyoviy belgilarni

molekulalarni

Kimyogar - olimlarni

Kimyoviy elementlarni

Tabiiy hodisalarni



5

Qanday agregat holati mavjud emas?

qattiq

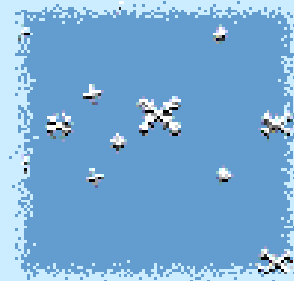
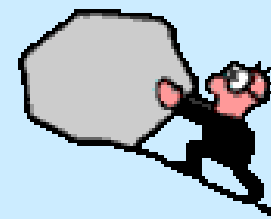
suyuq

kislota

tuz

Ko'pik

gaz



qaytaramiz?



oldinga!



6

Ushbu aralashmalardan qaysi biri bir jinsli?



Tuproq va suv aralashmasi

Osh tuzi va qum aralashmasi

Yog'och va temir qipidlari

Shakar va suv aralashmasi



qaytaramiz?

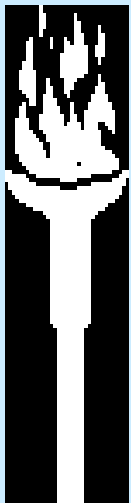


oldinga!



7

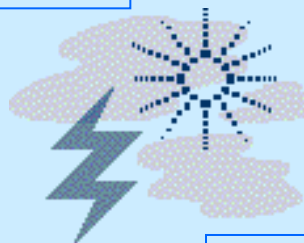
Quyidagi hodisalardan qaysi biri, kimyoviy
reaktsiyalarning asosiy belgilariga tegishli
emas?



Issiqli va yorug'lik ajralishi

Hid hosil bo'lishi

Rangini o'zgarishi



Cho'kmani hosil
bo'lishi

Gaz ajralishi

Erish va muzlash



qaytaramiz?



oldinga!

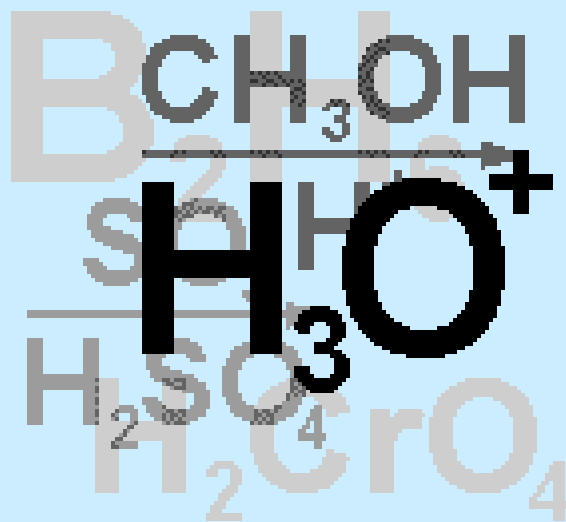


8

Kimyoviy element u nima?

Atomlarning aniq bir turi

Oddiy modda



Fizikaviy jism

Murakkab modda

qaytaramiz?



oldinga!



9

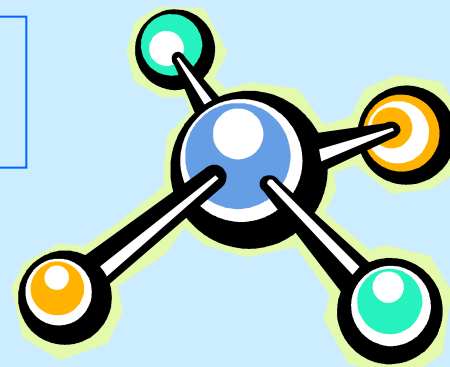
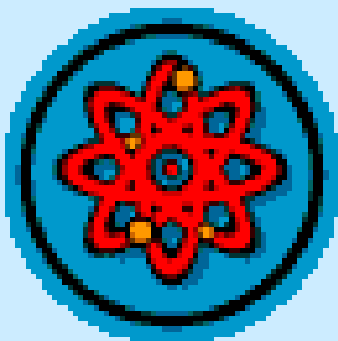
Valentlik bu – ...

Birikmada atomlar orasida hosil bo'ladigan elektron juftlar sonii

Kimyoviy reaksiyalar belgilaridan biri

Moddaning agregat holati

Kimyoviy hodisa



10

Sulfat kislolaning nisbiy molekulyar massasi nechaga teng?



100

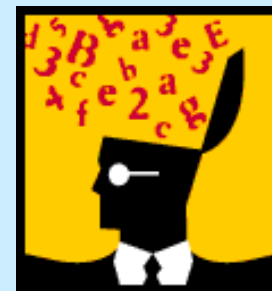
49

98

55

74

60



Kislorodni kimyoviy elementlar bilan o'zaro ta'siri natijasida hosil bo'lgan moddalar qanday nomlanadi?

tuzlar

kislotalar

asoslar

oksidlar

gidridlar

metallidlar

qotishmalar



12

Qo'rg'oshinning kimyoviy belgisini toping.

S

Si

Cl

Pt

Sb

C

Pb

Sc

Cu

Fe

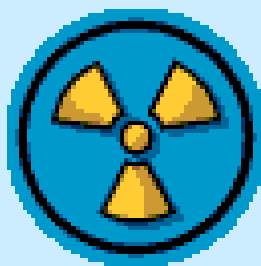
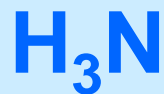
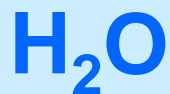


Oltugugurt qanday valentliklar hosil qiladi?

A single vertical bar representing the Roman numeral I.Two vertical bars placed side-by-side representing the Roman numeral II.Three vertical bars placed side-by-side representing the Roman numeral III.A vertical bar followed by a V-shaped bar representing the Roman numeral IV.A V-shaped bar representing the Roman numeral V.A V-shaped bar followed by a vertical bar representing the Roman numeral VI.A V-shaped bar followed by two vertical bars representing the Roman numeral VII.A V-shaped bar followed by three vertical bars representing the Roman numeral VIII.

14

Agar birikma vodorod va azotdan tashkil topgan bo'lsa, uning to'g'ri formulasini toping?



100 mln. Vodород atomlaridan tashkil topgan zarrning uzunligi qancha bo'ladi?

1sm

2sm

5sm

1 m

25 sm

65 M



