

A VIRTUAL CHEMISTRY LAB

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Home Test Substances Reactions

List of all substances: Silver Nitrate (AgNO3)

Formula: AgNO3
Name: Silver Nitrate
Type: salt
Color:
Condition: Liquid

Containers: Add Remove

glass normal flask	glass normal flask
round flask	round flask
test tube	cylinder
plate glass	test tube
	plate glass

Work place

The reaction has successfully completed. Products are Sodium Hydroxide (NaOH) and Hydrogen (H₂).

Equation info: $2\text{Na} + 2\text{H}_2\text{O} \rightarrow 2\text{NaOH} + \text{H}_2$

Substances: Metals: K Mg Ca Al Li Ba Na Be Cs Zn Cu Fe

Containers and tools

It gives off light in the dark, heat without being heated and in the course of time it forms two new elements - one is gaseous, the other is a solid substance. Which element is it?

Nitrogen
 Neon
 Gallium
 Chlorine
 Radon

Question: 9/10 Answers: 5 Time: 0:00 Help: Yes

Periodic Table

* Lanthanides: Ce Pr Nd Pm Sm Eu Gd Tb Dy Ho Er Tm Yb Lu

** Actinides: Th Pa U Np Pu Am Cm Bk Cf Es Fm Md No Lr

Categories: Energy

Input: 45

Output: 0.00178573727034879

Units: Btu, Calorie, Electronvolt, Erg, Joule, Kilocalorie, Kilojoule, Kilowatt Hour, Megacalorie, Megajoule, Therm, Watt Hour, Watt Second

You can modify the database with substances and reactions. You can easily add new reactions within minutes.

The program can be easily updated on a regular basis. You can download updates both for the program and for the database.

Last program update date: 12.05.2006
Last database update date: 12.05.2006
updating database ... 58%

Check Close

You can perform a variety of reactions without the danger of burning or otherwise injuring yourself. All substances are sorted by their type. There are a few containers and tools. You have everything necessary for performing reactions. There is also an assistant who informs you about everything while you perform the reactions.

Image:

Physical Properties:
Chemical sign: O
Number: 8
Atomic weight: 15.9994
Temperature of melting: -218.4
Temperature of boiling: -182.962
Electrons by layers: 2,6
Isotopes: 8
Atomic radius: 0.65

History:
Oxygen is a Group 16 element. While about one fifth of the atmosphere is oxygen gas, the atmosphere of Mars contains only about 0.15% oxygen. Oxygen is the third most abundant element found in the sun, and it plays a part in the carbon-nitrogen cycle, one process responsible for stellar energy production. Oxygen in excited states is responsible for the bright red and yellow-green colours of the aurora. About two thirds of the human body, and nine

Search: Alkali Metal

List with all words and terms: **[*] ALKALI METAL**
A metal in the first column of the periodic table (i.e., lithium, sodium, potassium, rubidium, cesium and francium). With the exception of francium, these metals are all soft and silvery. They may be readily fused and volatilized with their melting and boiling points becoming lower with increasing atomic mass. They are the strongest electropositive metals. These elements react vigorously, even violently with water.

Ions	Names	H ⁺	NH ₄ ⁺	K ⁺	Na ⁺	Ag ⁺	Ba ²⁺	Ca ²⁺	Mg ²⁺	Zn ²⁺	Cu ²⁺	Hg ²⁺	Pb ²⁺	Fe ²⁺	Fe ³⁺	Al ³⁺
OH ⁻	hydroxide		P	P	P	-	P	M	H	H	H	-	H	H	H	H
NO ₃ ⁻	nitrate	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
S ²⁻	sulphide	P	P	P	P	H	-	-	-	H	H	H	H	H	H	H
SO ₃ ²⁻	sulphite	P	P	P	P	M	M	M	M	-	-	-	H	M	-	-
SO ₄ ²⁻	sulphate	P	P	P	P	M	M	M	M	P	P	P	H	P	P	P
CO ₃ ²⁻	carbonate	P	P	P	P	H	H	H	H	H	H	H	H	H	-	-
SiO ₃ ²⁻	siliconate	H	-	P	P	H	H	H	H	H	H	H	H	H	H	H
PO ₄ ³⁻	phosphate	P	P	P	P	H	H	H	H	H	H	H	H	H	H	H
F ⁻	fluoride	P	P	P	P	P	M	H	H	M	H	M	H	M	P	P
Cl ⁻	chloride	P	P	P	P	H	P	P	P	P	P	P	M	P	P	P
Br ⁻	bromide	P	P	P	P	H	P	P	P	P	P	P	M	P	P	P
I ⁻	iodide	P	P	P	P	H	P	P	P	P	P	P	H	H	P	P
CrO ₄ ²⁻	chromate	P	P	P	P	H	H	M	P	P	H	H	H	P	P	M
CH ₃ COO ⁻	acetate	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Legend: P Soluble, M Less soluble, H Insoluble, - Breaking down, Blue Sediment

There are a lot of useful tools and applications which facilitate the program users. If you do not understand a term you can immediately check in the built-in dictionary. A calculator is also available. Converting units has never been so easy. View information for every chemical element in the Periodic Table. Try the test and check your knowledge level.