



Mendeleev.me

The chemistry lab in your pocket.





Our mission is to educate younger generations through technology. Chemistry is one of the fascinating matters and its value is given by the quality of the educational act.

We strongly believe that education must include elements that stimulate visual cognitive processes and also inspire students to enjoy the process of learning.

Mendeleev provides concise information for all chemical elements, a virtual laboratory for conducting fun experiments, as well as an environment dedicated to testing the knowledge gained in chemistry classes.



Periodic Table of Elements



Groups 2 4 6

Group 01

7 elements

1 ¹
H
Hydrogen
1.0079

3 ²₁
Li
Lithium
6.941

11 ²₈₁
Na
Sodium
22.990



+4

Group 02

6 elements

4 ²₂
Be
Beryllium
9.0122

12 ²₈₂
Mg
Magnesium
24.305

20 ²₈₈₂
Ca
Calcium
40.078



+3

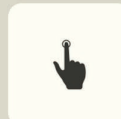
Group 03

4 elements

21 ²₈₉₂
Sc
Scandium
44.956

39 ²₈₁₈₉₂
Y
Yttrium
88.906

57 ²₈₁₈₁₈₉₂
La
Lanthanum
138.91



+1

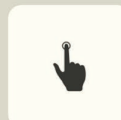
Group 04

6 elements

22 ²₈₁₀₂
Ti
Titanium
47.867

40 ²₈₁₈₁₀₂
Zr
Zirconium
91.224

72 ²₈₁₈₃₂₁₀₂
Hf
Hafnium
178.49



+3

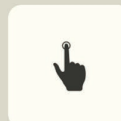
Group 05

6 elements

23 ²₈₁₁₂
V
Vanadium
50.942

41 ²₈₁₈₁₂₁
Nb
Niobium
92.906

73 ²₈₁₈₃₂₁₁₂
Ta
Tantalum
180.95



+3

EN



Periodic Table of Elements



List

2

4

6

1 H Hydrogen 1.0079	2 He Helium 4.0026	3 Li Lithium 6.941	4 Be Beryllium 9.0122
5 B Boron 10.811	6 C Carbon 12.011	7 N Nitrogen 14.007	8 O Oxygen 15.999
9 F Fluorine 18.998	10 Ne Neon 20.180	11 Na Sodium 22.990	12 Mg Magnesium 24.305
13 Al Aluminium 26.982	14 Si Silicon 28.086	15 P Phosphorus 30.974	16 S Sulfur 32.065
17 Cl Chlorine 35.453	18 Ar Argon 39.948	19 K Potassium 39.098	20 Ca Calcium 40.078
21 Sc Scandium 44.956	22 Ti Titanium 47.867	23 V Vanadium 50.942	24 Cr Chromium 51.996
25 Mn Manganese 54.938	26 Fe Iron 55.845	27 Co Cobalt 58.933	28 Ni Nickel 58.693

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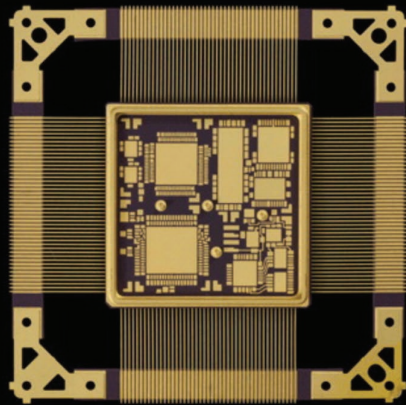


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Gold



Gold is one of the few elements you can find just lying on the ground. This one-ounce nugget of pure gold was found in Alaska in 1890 by Hogamorth Marion.



👉 Swipe for more details

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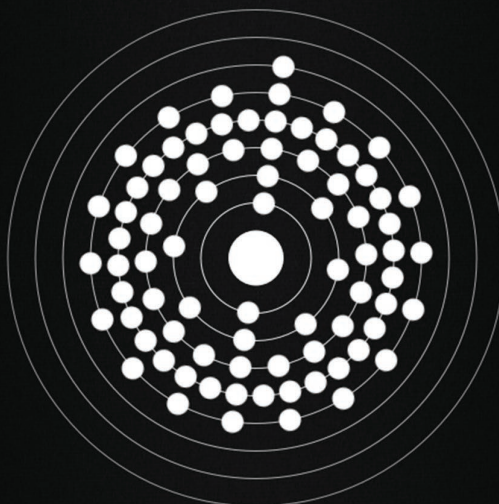
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Gold



01. Overview

Symbol	Au
Atomic number	79
Atomic weight	197
Density	19.3 g/cm ³
Melting point	1064.18 °C
Boiling point	2856 °C
Electrons	79
Protons	79
Neutrons	118



02. Thermal properties

Phase	Solid
Melting point	1064.18 °C
Boiling point	2856 °C
Absolute melting point	1337.33 K
Absolute boiling point	3129 K

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Element details - PDF




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Experiments



 You have found 0 of 11 secrets.

Chernobyl



The "Barking dog"



Cesium and water



Nitrogen triiodide



The Cannon



Rubber egg

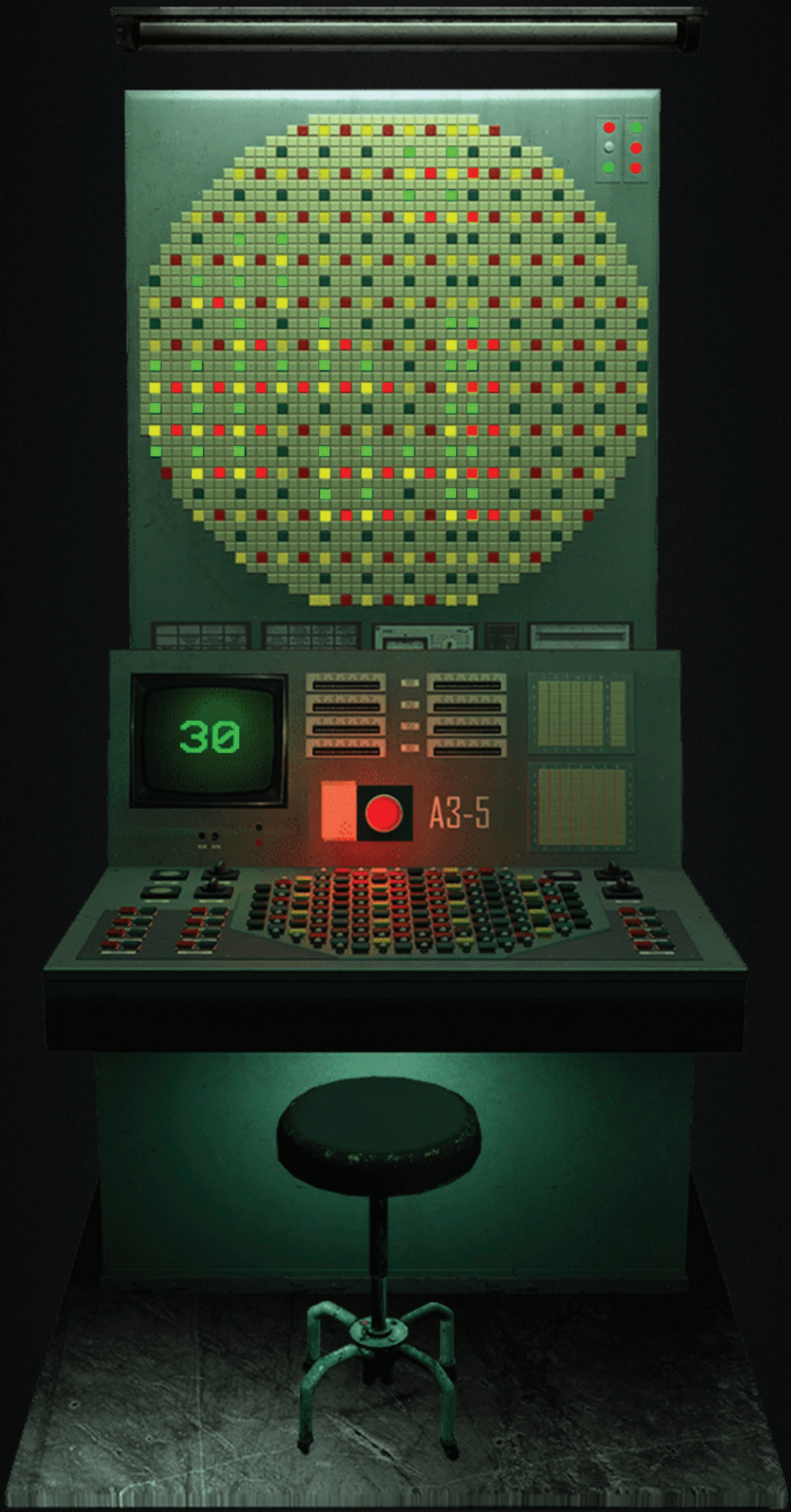


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Chernobyl



EN



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Soft drink + lollies

Soft drink



Lollies



Soft drink + lollies

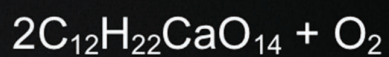
? Help

In this experiment you can view the reaction between a soft drink and a bunch of lollies. To make the experiment, drag the elements that are pulsating into the glass at the center of the screen.

EN



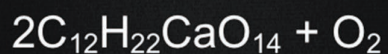
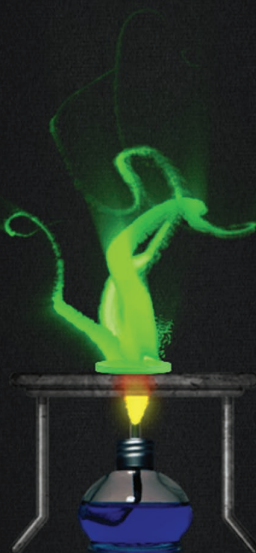
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Calcium gluconate



Fire



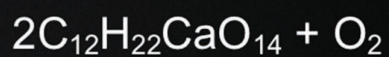
? Help

In this experiment you can view the reaction between calcium gluconate and fire. To make the experiment, drag the elements that are pulsating into the glass at the center of the screen.

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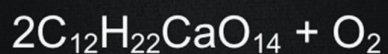
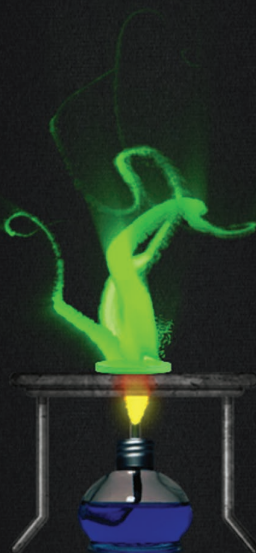
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Calcium gluconate



Fire



? Help

In this experiment you can view the reaction between calcium gluconate and fire. To make the experiment, drag the elements that are pulsating into the glass at the center of the screen.

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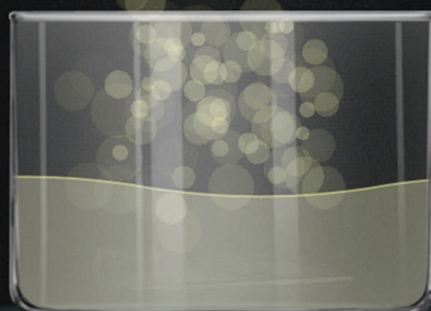
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HCl + Mg

Hydrochloric acid



Magnesium



HCl + Mg

? Help

In this experiment you can view the reaction between the hydrochloric acid and magnesium solution. To make the experiment, drag the elements that are pulsating into the glass at the center of the screen.

EN





Periodic Table of Elements

1 H Hydrogen 1.0079	2 He Helium 4.0026																
3 Li Lithium 6.941	4 Be Beryllium 9.0122	<p>Legend</p> <ul style="list-style-type: none"> Alkali Metals Alkali Earth Metals Transition Metals Lanthanides Actinides Other Metals Metalloids Non-Metals Halogens Noble Gases 										5 B Boron 10.811	6 C Carbon 12.011	7 N Nitrogen 14.007	8 O Oxygen 15.999	9 F Fluorine 18.998	10 Ne Neon 20.180
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37 Rb Rubidium 85.468	38 Sr Strontium 87.62	39 Y Yttrium 88.906	40 Zr Zirconium 91.224	41 Nb Niobium 92.906	42 Mo Molybdenum 95.96	43 Tc Technetium [98]	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.91	46 Pd Palladium 106.42	47 Ag Silver 107.87	48 Cd Cadmium 112.41	49 In Indium 114.82	50 Sn Tin 118.71	51 Sb Antimony 121.76	52 Te Tellurium 127.60	53 I Iodine 126.90	54 Xe Xenon 131.29
55 Cs Cesium 132.91	56 Ba Barium 137.33	57-71 Lanthanides	72 Hf Hafnium 178.49	73 Ta Tantalum 180.95	74 W Wolfram 183.84	75 Re Rhenium 186.21	76 Os Osmium 190.23	77 Ir Iridium 192.22	78 Pt Platinum 195.08	79 Au Gold 196.97	80 Hg Mercury 200.59	81 Tl Thallium 204.38	82 Pb Lead 207.2	83 Bi Bismuth 208.98	84 Po Polonium [209]	85 At Astatine [210]	86 Rn Radon [222]
87 Fr Francium [223]	88 Ra Radium [226]	89-103 Actinides	104 Rf Rutherfordium [263.11]	105 Db Dubnium [268]	106 Sg Seaborgium [271]	107 Bh Bohrium [270]	108 Hs Hassium [269]	109 Mt Meitnerium [278]	110 Ds Darmstadtium [281]	111 Rg Roentgenium [281]	112 Cn Copernicium [285]	113 Nh Nihonium [286]	114 Fl Flerovium [289]	115 Mc Moscovium [285]	116 Lv Livermorium [293]	117 Ts Tennessine [294]	118 Og Oganesson [294]

Lanthanides

Actinides

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79

Au

196.97

2
8
18
32
18
1



Gold

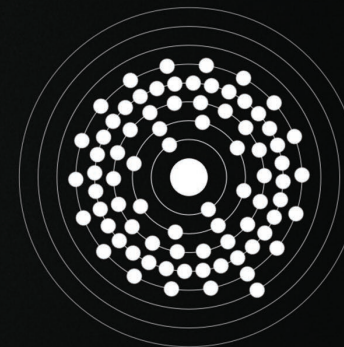
Atomic weight 197
Density 19.3 g/cm³
Melting point 1064.18 °C
Boiling point 2856 °C

Gold is one of the few elements you can find just lying on the ground. This one-ounce nugget of pure gold was found in Alaska in 1890 by Hogamorth Marion.

Element details - PDF

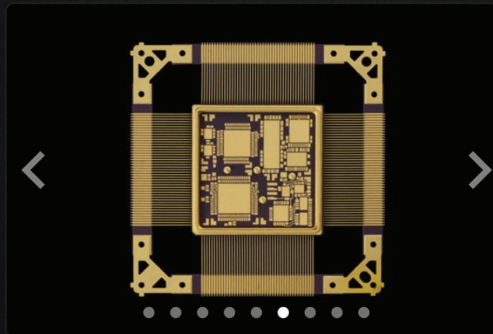
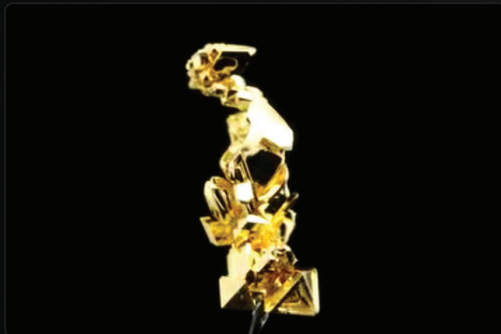
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02. Thermal properties

Phase	Solid
Melting point	1064.18 °C
Boiling point	2856 °C
Absolute melting point	1337.33 K
Absolute boiling point	3129 K
Critical pressure	N/A
Critical temperature	N/A



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Experiments



💎 You have found 0 of 11 secrets.

Chernobyl



The "Barking dog"



Cesium and water



Nitrogen triiodide



The Cannon



Rubber egg



The volcan



Fire snake

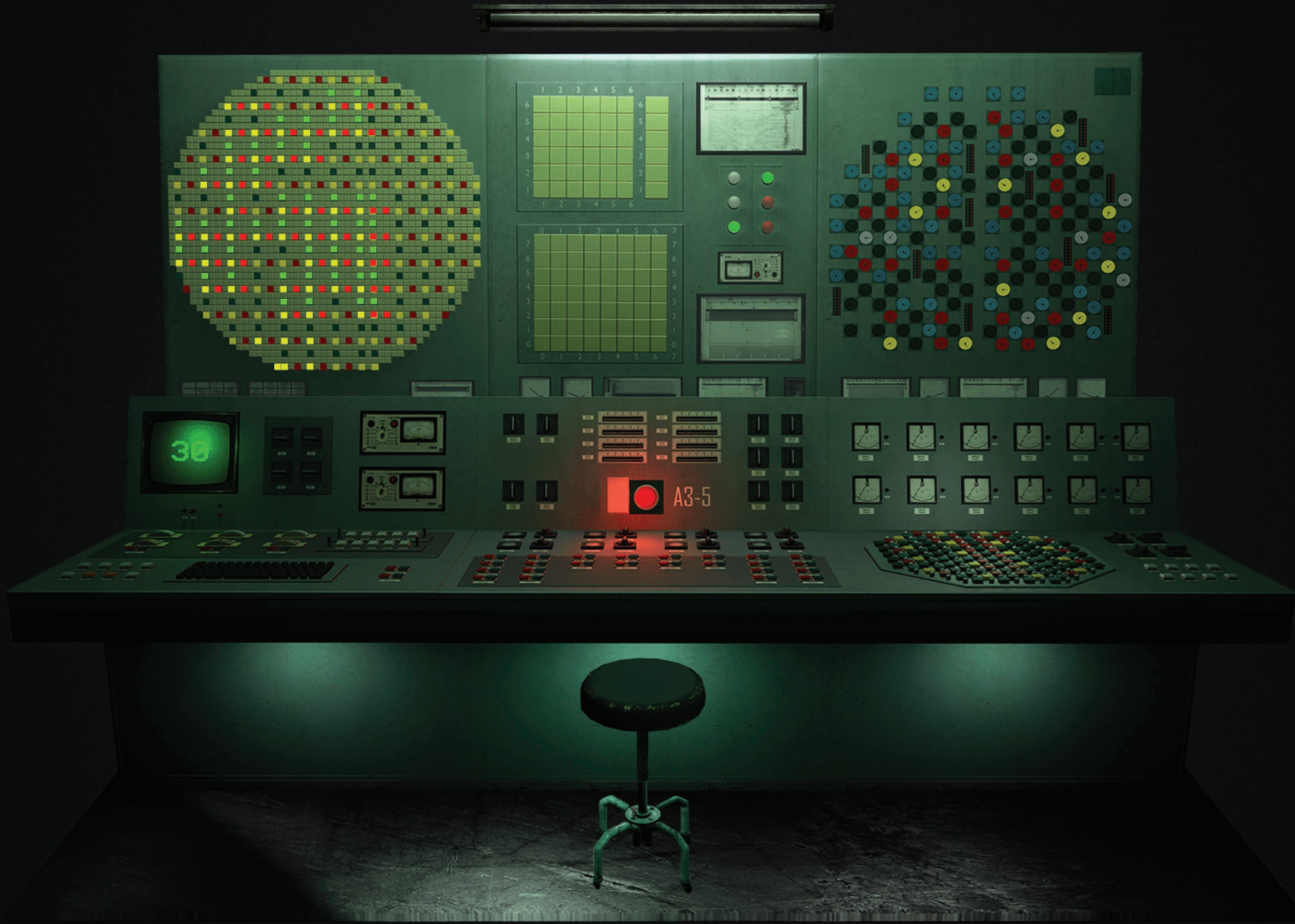


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Chernobyl



EN



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The Cannon

Soft drink



Lollies



Soft drink + lollies

Help



In this experiment you can view the reaction between a soft drink and a bunch of lollies. To make the experiment, drag the elements that are pulsating into the glass at the center of the screen.

EN



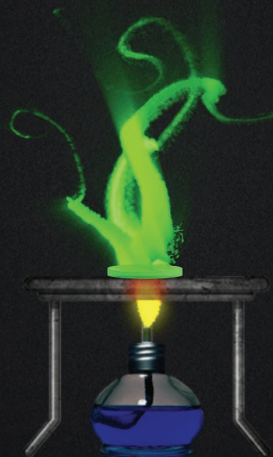
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Calcium gluconate and fire

Calcium gluconate



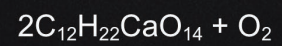
Fire



Help



In this experiment you can view the reaction between calcium gluconate and fire. To make the experiment, drag the elements that are pulsating into the glass at the center of the screen.



EN



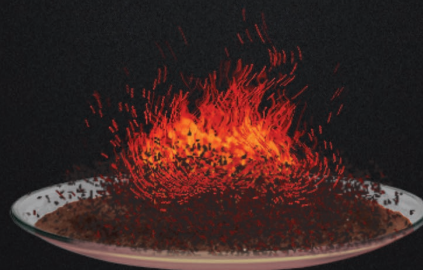
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The volcan

$\text{Cr}_2\text{H}_8\text{N}_2\text{O}_7$



Fire



$\text{Cr}_2\text{H}_8\text{N}_2\text{O}_7 + \text{O}_2$

Help



In this experiment you can view the reaction between ammonium dichromate and fire. To make the experiment, drag the elements that are pulsating into the glass at the center of the screen.

EN



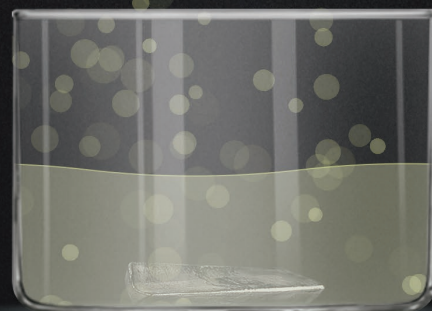
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Hydrochloric acid and magnesium

Hydrochloric acid



Magnesium



$\text{HCl} + \text{Mg}$

Help



In this experiment you can view the reaction between the hydrochloric acid and magnesium solution. To make the experiment, drag the elements that are pulsating into the glass at the center of the screen.

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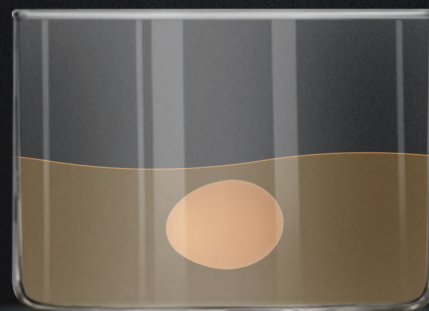
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Rubber egg

Vinegar



Boiled egg



CH_3COOH + Boiled egg

Help



In this experiment you can view the reaction between the vinegar and one boiled egg. To make the experiment, drag the elements that are pulsating into the glass at the center of the screen.

EN



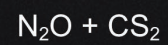
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The "Barking dog"

Nitrous oxide



Carbon disulfide



Help



In this experiment you can view the reaction between nitrogen monoxide and carbon disulfide. To make the experiment, drag the elements that are pulsating into the glass at the center of the screen.

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Mendeleev is a reference application for each student, teacher, chemistry passionate and provides:

- A virtual laboratory with exciting packs of chemistry experiments
- Concise information for all chemical elements
- Multi-language support for English, Romanian, German, Russian, French, Italian, Spanish, Turkish, Chinese & Japanese
- 'In memoriam Chernobyl'
- Hidden app secrets
- Quick search & in-place information filtering
- Downloadable PDFs for each chemical element
- Presentation galleries & movie-clips

The project was awarded by Best Mobile App Awards, Awwwards & WebStock Awards:

- Platinum Award for Best Mobile Design
- Web Innovation Award
- Best Mobile App



AWWARDS

