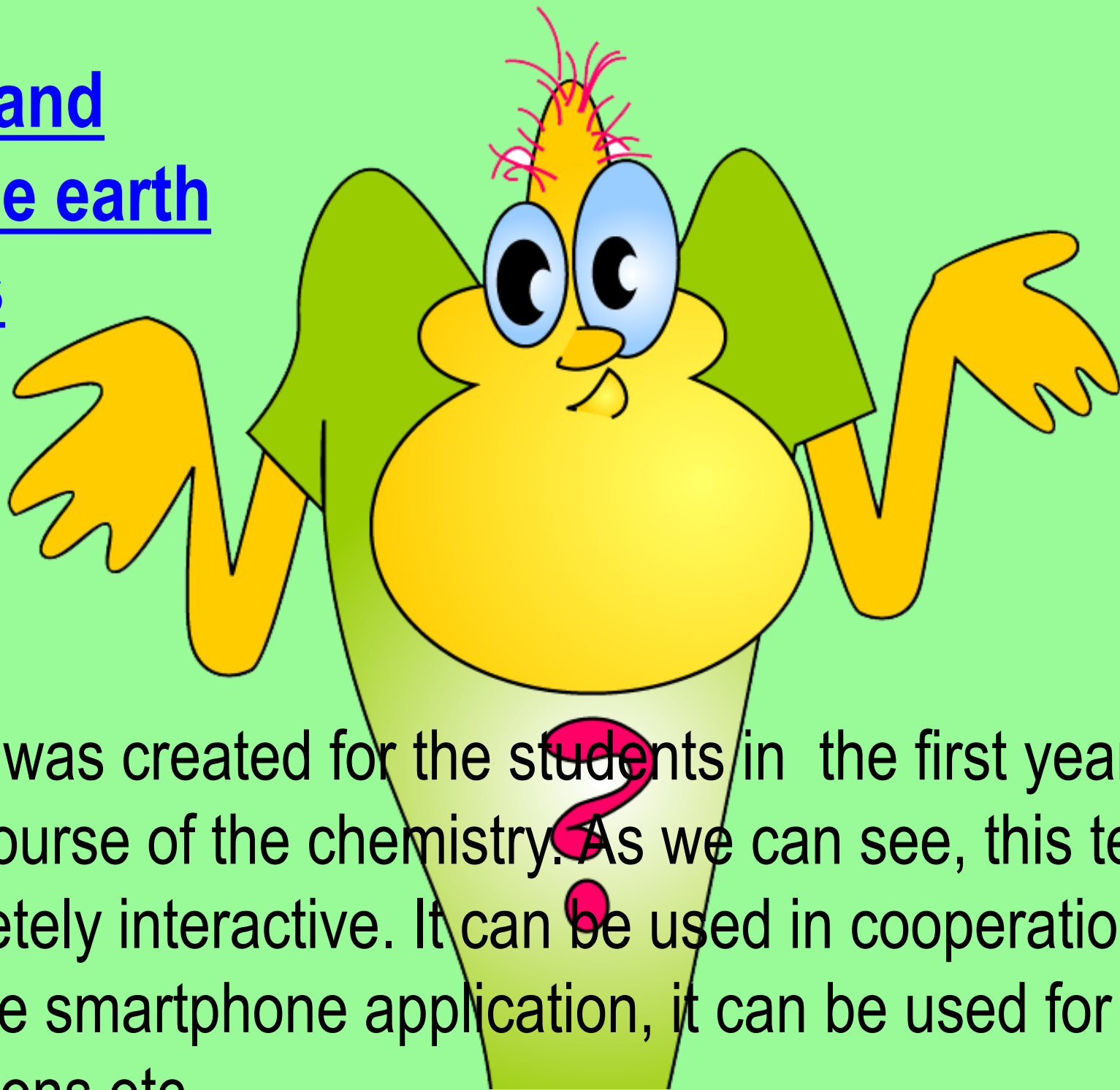


Alkali and alkaline earth metals



This test was created for the students in the first year of 4years course of the chemistry. As we can see, this test is completely interactive. It can be used in cooperation with some smartphone application, it can be used for competitions etc.

1) An element not arranged in a group of alkali metals is:

- a) potassium b) rubidium c) cesium d) francium

2) Alkali metals can be found especially in:

- a) mineral water b) shale c) sea water d) dolomite

3) Alkali metals are not:

- a) conductive b) colourfull c) soft d) light

4) Alkali metals are isolated especially by:

- a) elektrolysis of the molten salts b) elektrolysis of the solutions
c) reduction with a coke d) reduction with a hydrogen

5) Calcium carbonate is not called:

- a) calcite b) marble c) chalk d) feldspar

6) The oxidation number of alkali metals can raise to:

- a) +I b) +II c) +III d) +IV

7) The reaction of sodium and water:

- a) is stormy
- b) leads to formation of Na_2O_2
- c) leads to formation of Na_4C
- d) is not possible

8) Magnesium and its compounds are not used to production of:

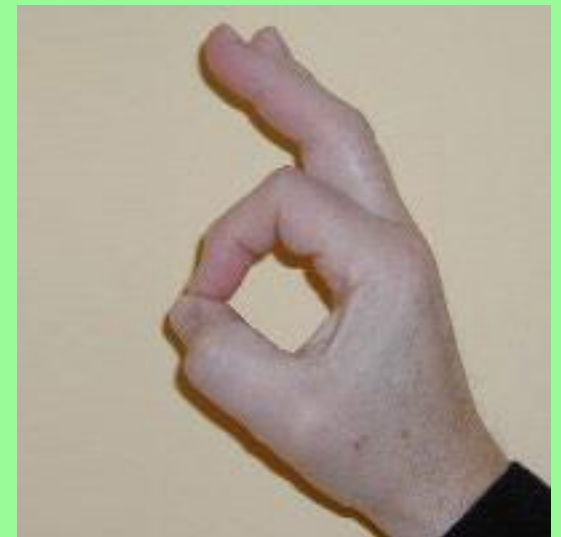
- a) the light and strong alloys
- b) gun barrels
- c) other metals
- d) heat-resistant brickworks

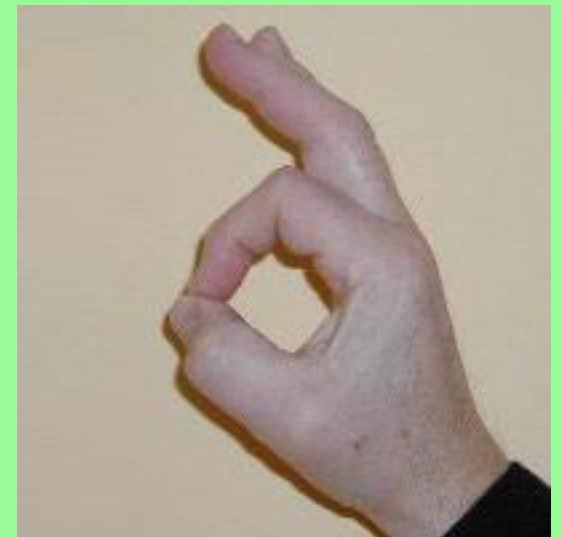
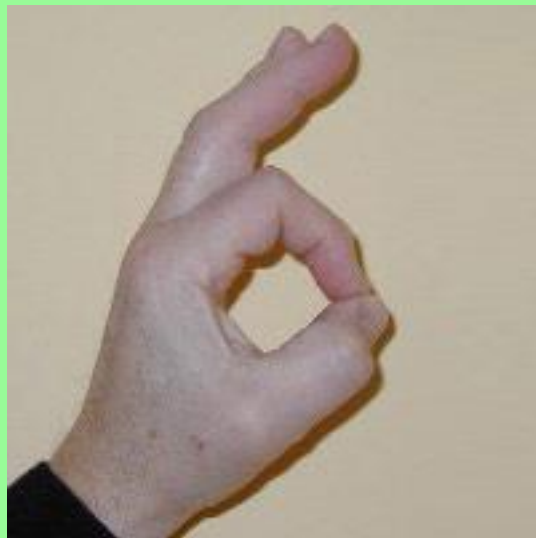
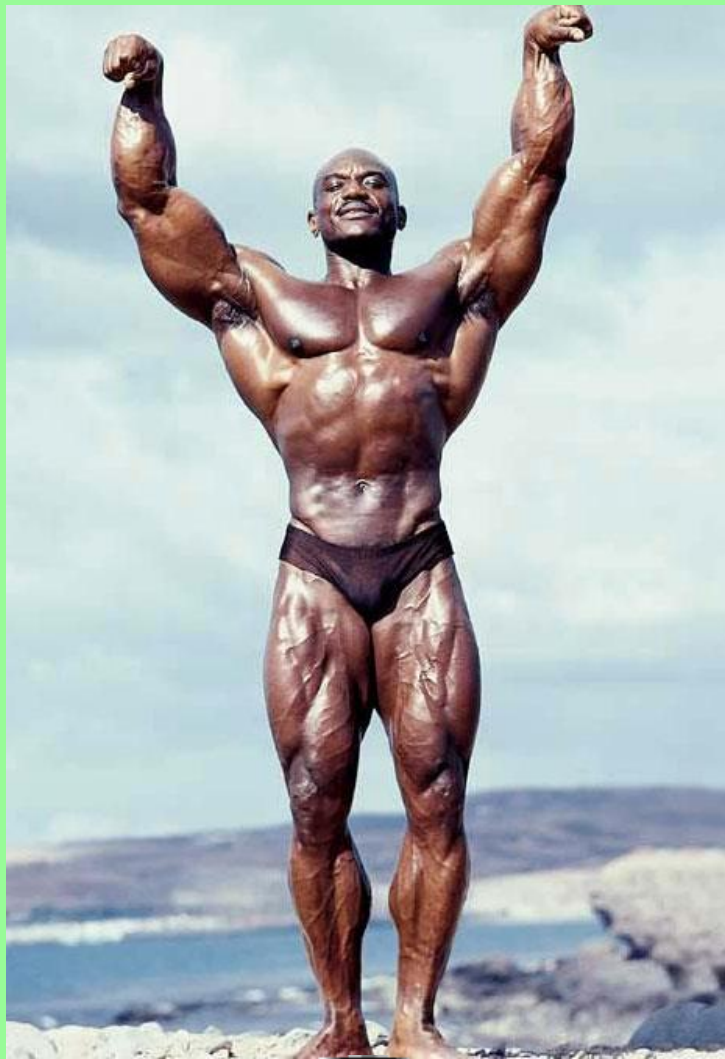
9) Potassium nitrate is not used as:

- a) a fertilizer
- b) an oxidative agent
- c) a pigment
- d) reagent at a production of a gun powder

10) Magnesium can be found especially in:

- a) the shales
- b) the mineral water
- c) the dolomites
- d) the sea water







**YOU HAVE
FAILED
PLEASE DIE**



**YOU HAVE
FAILED
PLEASE DIE**