DISTRIBUTE PROPERTIES

. Physical

Chemical

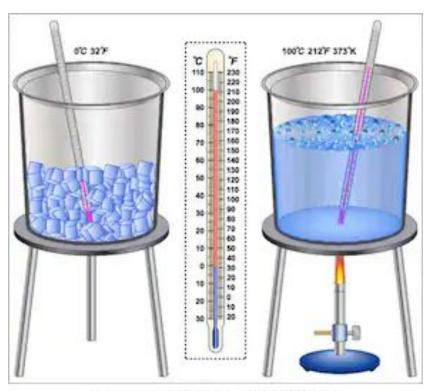
• Wordcloud: volatility, melting and boiling points, electroconductivity, heat conductivity, electronegativity, metallic luster, density, electron affinity, ionization energy, atomic radius, reactivity, formation, solidity, fragility, plasticity, viscosity, ductility, malleability, oxidation state, stability, oxidizing / reducing properties









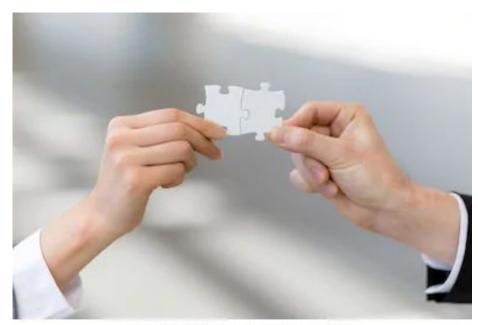


shutterstock.com • 303198758





shutterstock.com • 1094479934



shutterstock.com • 584912152

	Ethanol	Acetic acid
a)	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c} & H & :O: \\ & H & :O: \\ & & \\ & +1 & -3 & +3 & -2 & \\ & +3 & -2 & -2 & -2 & -1 \\ & +1 & -C & -C & -O & H \\ & & & H & & \\ & & & H & & \\ & & & &$
b)	CH ₃ -CH ₂ OH	-3 +1 +3 -2 -2 +1 CH ₃ -COOH
c)	0 -1 +1 -2 +1 R-CH ₂ OH	0 +3 -2 -2 +1 R-COOH
d)	${^{-2}_{2}}^{+1}_{H_{6}}^{-2}$	${\overset{_{0}}{C}}_{2}\overset{_{+1}}{H_{4}}\overset{_{-2}}{O_{2}}$

PROPERTIES: CONTEXT

Translate from English into Russian. Pay attention to the constructions / collocations / words underlined.

- 1.Demonstrate the electron affinity for these elements.
- 2. Tungsten <u>does have</u> the highest melting point <u>compared with</u> any other element.
- 3. All three elements form various inorganic compounds, generally in the oxidation state of +5.
- 4. Elements in the same group <u>tend to show patterns in</u> atomic radius, ionization energy, and electronegativity.
- 5. The invention is to modify oxidizing and reducing properties.

GROUPS OF ELEMENTS

Alkali metals
Alkaline earth metals
Metals
Transition metals
Nonmetals
Halogens
Noble gases

GROUPS OF ELEMENTS ASSIGNMENT

Alkali metals
Alkaline earth metals
Metals
Transition metals
Nonmetals
Halogens
Noble gases

SAFETY QUIZ

- Dilution = разбавление
- **Ha**zard / **ha**zardous = опасность / опасный
- To remove = удалять
- To dispose of = утилизировать
- Waste = отходы
- Sink = раковина
- Violation = нарушение

• Wordcloud: to burn, to hurt, to react violently, to catch fire, to panic, to occur