# Периодическая система химических элементов Д.И. Менделеева

<table>
<thead>
<tr>
<th>Группы</th>
<th>I</th>
<th>II</th>
<th>III</th>
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<th>V</th>
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**Лантаноиды**

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**Актиноиды**

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* Органоны
### РАСТВОРИМОСТЬ КИСЛОТ, СОЛЕЙ И ОСНОВАНИЙ В ВОДЕ

|          | H⁺ | Li⁺ | K⁺ | Na⁺ | NH₄⁺ | Ba²⁺ | Ca²⁺ | Mg²⁺ | Sr²⁺ | Al³⁺ | Cr³⁺ | Fe²⁺ | Fe³⁺ | Mn²⁺ | Zn²⁺ | Ag⁺ | Hg²⁺ | Pb²⁺ | Sn²⁺ | Cu²⁺ |
|----------|----|-----|----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| OH⁻      | P  | P   | P   | P   | P    | M    | H    | M    | H    | H    | H    | H    | H    | H    | H    | H    | H    | H    | H    | H    |
| F⁻       | P   | M   | P   | P   | P    | M    | H    | H    | H    | H    | H    | H    | P    | P    | P    | H    | P    | M    | P    | P    |
| S²⁻      | P   | P   | P   | P   | P    | –    | –    | –    | H    | –    | –    | H    | –    | H    | –    | H    | H    | H    | H    | H    | H    | H    |
| PO₄³⁻    | P   | P   | P   | P    | P    | P    | H    | H    | H    | H    | H    | H    | H    | H    | H    | H    | H    | H    | H    | H    | H    |

«Р» – растворяется (> 1 г на 100 г H₂O); «М» – мало растворяется (от 0,1 г до 1 г на 100 г H₂O)
«Н» – не растворяется (меньше 0,01 г на 1000 г воды); «–» – в водной среде разлагается
«?» – нет достоверных сведений о существовании соединений

#### РЯД АКТИВНОСТИ МЕТАЛЛОВ / ЭЛЕКТРОХИМИЧЕСКИЙ РЯД НАПРЯЖЕНИЙ

Li Rb K Ba Sr Ca Na Mg Al Mn Zn Cr Fe Cd Co Ni Sn Pb (H₂) Sb Bi Cu Hg Ag Pt Au

активность металлов уменьшается