

中学生が覚えておくとよい化学式・イオン式

単体

* (1) [H ₂] []	* (2) [O ₂] []	* (3) [N ₂] []
* (4) [S] []	* (5) [C] []	(6) [Si] []
* (7) [Cl ₂] []	(8) [Br ₂] []	(9) [I ₂] []
(10) [Li] []	* (11) [Na] []	* (12) [K] []
* (13) [Mg] []	* (14) [Ca] []	* (15) [Ba] []
* (16) [Al] []	* (17) [Zn] []	(18) [Mn] []
* (19) [Fe] []	(20) [Co] []	(21) [Ni] []
(22) [He] []	* (23) [Ne] []	* (24) [Ar] []
* (25) [Cu] []	* (26) [Ag] []	(27) [Au] []
(28) [Hg] []	(29) [Sn] []	(30) [Pb] []

化合物

* (31) [CO ₂] []	(32) [CO] []
* (33) [H ₂ O] []	* (34) [NaCl] []
* (35) [HCl] []	* (36) [NaOH] []
(37) [MnO ₂] []	(38) [H ₂ O ₂] []
(39) [Ca(OH) ₂] []	(40) [CaCO ₃] []
* (41) [NH ₃] []	(42) [(NH ₄) ₂ CO ₃] []
(43) [NH ₄ Cl] []	* (44) [Ba(OH) ₂] []
(45) [CaCl ₂] []	(46) [CaO] []
(47) [BaCl ₂] []	(48) [H ₂ S] []
* (49) [FeS] []	(50) [CuS] []
* (51) [NaHCO ₃] []	* (52) [Na ₂ CO ₃] []
* (53) [Ag ₂ O] []	(54) [AgBr] []
* (55) [CuO] []	* (56) [MgO] []
(57) [Fe ₃ O ₄] []	(58) [Al ₂ O ₃] []
(59) [NO ₂] []	(60) [SO ₂] []
(61) [FeCl ₂] []	(62) [MgCl ₂] []
(63) [CuCl ₂] []	(64) [ZnCl ₂] []
* (65) [H ₂ SO ₄] []	(66) [CuSO ₄] []
* (67) [BaSO ₄] []	(68) [(NH ₄) ₂ SO ₄] []
(69) [HNO ₃] []	(70) [KNO ₃] []
(71) [AgNO ₃] []	(72) [AgCl] []
(73) [NH ₄ NO ₃] []	(74) [NaClO] []
(75) [CH ₄] []	(76) [C ₂ H ₅ OH] []
(77) [CH ₃ OH] []	(78) [CH ₃ COOH] []

イオン

* (79) [H ⁺] []	* (80) [OH ⁻] []
* (81) [Na ⁺] []	* (82) [Cl ⁻] []
* (83) [Cu ²⁺] []	* (84) [SO ₄ ²⁻] []
* (85) [Zn ²⁺] []	(86) [Mg ²⁺] []
(87) [K ⁺] []	(88) [Ba ²⁺] []
(89) [NH ₄ ⁺] []	(90) [NO ₃ ⁻] []

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単体

*(1) [H ₂] [水素]	*(2) [O ₂] [酸素]	*(3) [N ₂] [窒素]
*(4) [S] [硫黄]	*(5) [C] [炭素]	(6) [Si] [ケイ素]
*(7) [Cl ₂] [塩素]	(8) [Br ₂] [臭素]	(9) [I ₂] [ヨウ素]
(10) [Li] [リチウム]	*(11) [Na] [ナトリウム]	*(12) [K] [カリウム]
*(13) [Mg] [マグネシウム]	*(14) [Ca] [カルシウム]	*(15) [Ba] [バリウム]
*(16) [Al] [アルミニウム]	*(17) [Zn] [亜鉛]	(18) [Mn] [マンガン]
*(19) [Fe] [鉄]	(20) [Co] [コバルト]	(21) [Ni] [ニッケル]
(22) [He] [ヘリウム]	*(23) [Ne] [ネオン]	*(24) [Ar] [アルゴン]
*(25) [Cu] [銅]	*(26) [Ag] [銀]	(27) [Au] [金]
(28) [Hg] [水銀]	(29) [Sn] [スズ]	(30) [Pb] [鉛]

化合物

*(31) [CO ₂] [二酸化炭素]	(32) [CO] [一酸化炭素]
*(33) [H ₂ O] [水]	*(34) [NaCl] [塩化ナトリウム、食塩]
*(35) [HCl] [塩化水素、塩酸]	*(36) [NaOH] [水酸化ナトリウム]
(37) [MnO ₂] [二酸化マンガン]	(38) [H ₂ O ₂] [過酸化水素]
(39) [Ca(OH) ₂] [水酸化カルシウム]	(40) [CaCO ₃] [炭酸カルシウム]
*(41) [NH ₃] [アンモニア]	(42) [(NH ₄) ₂ CO ₃] [炭酸アンモニウム]
(43) [NH ₄ Cl] [塩化アンモニウム]	*(44) [Ba(OH) ₂] [水酸化バリウム]
(45) [CaCl ₂] [塩化カルシウム]	(46) [CaO] [酸化カルシウム]
(47) [BaCl ₂] [塩化バリウム]	(48) [H ₂ S] [硫化水素]
*(49) [FeS] [硫化鉄]	(50) [CuS] [硫化銅]
*(51) [NaHCO ₃] [炭酸水素ナトリウム]	*(52) [Na ₂ CO ₃] [炭酸ナトリウム]
*(53) [Ag ₂ O] [酸化銀]	(54) [AgBr] [臭化銀]
*(55) [CuO] [酸化銅]	*(56) [MgO] [酸化マグネシウム]
(57) [Fe ₃ O ₄] [酸化鉄]	(58) [Al ₂ O ₃] [酸化アルミニウム]
(59) [NO ₂] [二酸化窒素]	(60) [SO ₂] [二酸化硫黄]
(61) [FeCl ₂] [塩化鉄]	(62) [MgCl ₂] [塩化マグネシウム]
(63) [CuCl ₂] [塩化銅]	(64) [ZnCl ₂] [塩化亜鉛]
*(65) [H ₂ SO ₄] [硫酸]	(66) [CuSO ₄] [硫酸銅]
*(67) [BaSO ₄] [硫酸バリウム]	(68) [(NH ₄) ₂ SO ₄] [硫酸アンモニウム]
(69) [HNO ₃] [硝酸]	(70) [KNO ₃] [硝酸カリウム]
(71) [AgNO ₃] [硝酸銀]	(72) [AgCl] [塩化銀]
(73) [NH ₄ NO ₃] [硝酸アンモニウム]	(74) [NaClO] [次亜塩素酸ナトリウム]
(75) [CH ₄] [メタン]	(76) [C ₂ H ₅ OH] [エタノール]
(77) [CH ₃ OH] [メタノール]	(78) [CH ₃ COOH] [酢酸]

イオン

*(79) [H ⁺] [水素イオン]	*(80) [OH ⁻] [水酸化物イオン]
*(81) [Na ⁺] [ナトリウムイオン]	*(82) [Cl ⁻] [塩化物イオン]
*(83) [Cu ²⁺] [銅イオン]	*(84) [SO ₄ ²⁻] [硫酸イオン]
*(85) [Zn ²⁺] [亜鉛イオン]	(86) [Mg ²⁺] [マグネシウムイオン]
(87) [K ⁺] [カリウムイオン]	(88) [Ba ²⁺] [バリウムイオン]
(89) [NH ₄ ⁺] [アンモニウムイオン]	(90) [NO ₃ ⁻] [硝酸イオン]