**Chemické bingo 1**

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| **Neupravené redoxní reakce** | **Stechiometrické koeficienty** | **Symboly** |
| H2SeO3 + SO2 + H2O 🡪 Se + H2SO4 |  |  |
| HBrO3 🡪 Br2 + O2 + H2O |  |  |
| CaSO4 + C 🡪 CaO + SO2 + CO2 |  |  |
| (NH4)2Cr2O7 🡪 Cr2O3 + N2 + H2O |  |  |
| NaClO2 + Cl2 🡪 ClO2 + NaCl |  |  |
| H6TeO6 + SO2 🡪 Te + H2SO4 |  |  |
| H2SeO3 + H2S 🡪 Se + H2O + S |  |  |
| Hg + XeF4 🡪 Xe + HgF2 |  |  |
| P + H2O+Br2 🡪 HBr + H3PO3 |  |  |

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| (2 1 2 2) | V |
| (3 2 1 3) | S |
| (4 2 5 2) | P |
| (1 1 1 4) | A |
| (4 1 2 1) | D |
| (1 2 1 3 2) | J |
| (1 2 1 1 2) | Z |
| (1 2 1 2 1) | Y |
| (2 1 1 2) | L |
| (2 6 3 6 2) | F |
| (1 3 1 3) | C |
| (2 1 2 2 1) | R |

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**Správné řešení 1**

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| 1H2SeO3 + 2SO2 + 1H2O 🡪 1Se + 2H2SO4 | (1 2 1 1 2) | **Z** |
| 4HBrO3 🡪 2Br2 + 5O2 + 2H2O | (4 2 5 2) | **P** |
| 2CaSO4 + 1C 🡪 2CaO + 2SO2 + 1CO2 | (2 1 2 2 1) | **R** |
| 1(NH4)2Cr2O7 🡪 1Cr2O3 + 1N2 + 4H2O | (1 1 1 4) | **A** |
| 2NaClO2 + 1Cl2 🡪 2ClO2 + 2NaCl | (2 1 2 2) | **V** |
| 1H6TeO6 + 3SO2 🡪 1Te + 3H2SO4 | (1 3 1 3) | **C** |
| 1H2SeO3 + 2H2S 🡪 1Se + 3H2O + 2S | (1 2 1 3 2) | **J** |
| 2Hg + 1XeF4 🡪 1Xe + 2HgF2 | (2 1 1 2) | **L** |
| 2P + 6H2O + 3Br2 🡪 6HBr + 2H3PO3 | (2 6 3 6 2) | **F** |

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| (2 1 2 2) | V |
| (3 2 1 3) | S |
| (4 2 5 2) | P |
| (1 1 1 4) | A |
| (4 1 2 1) | D |
| (1 2 1 3 2) | J |
| (1 2 1 1 2) | Z |
| (1 2 1 2 1) | Y |
| (2 1 1 2) | L |
| (2 6 3 6 2) | F |
| (1 3 1 3) | C |
| (2 1 2 2 1) | R |

**Chemické bingo 2**

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| **Neupravené redoxní reakce** | **Stechiometrické koeficienty** | **Symboly** |
| I2 + NaClO3 🡪 NaIO3 + Cl2 |  |  |
| Ag + HNO3 🡪 AgNO3 + NO + H2O |  |  |
| FeS2 + O2 🡪 SO2 + Fe2O3 |  |  |
| Se + HNO3 + H2O 🡪 H2SeO3 + NO |  |  |
| CO + I2O5 🡪 I2 + CO2 |  |  |
| HNO3 + H2S🡪 NO + S + H2O |  |  |
| SF4 + XeF4 🡪 Xe + SF6 |  |  |
| B2O3 + BrF3 🡪 BF3 + Br2 + O2 |  |  |
| H2S + SO2 🡪 S + H2O |  |  |

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| (4 11 8 2) | E |
| (7 2 1 1) | Q |
| (5 1 1 5) | H |
| (2 1 3 2) | M |
| (1 2 2 1) | D |
| (2 1 1 2) | X |
| (1 2 2 2 3) | B |
| (2 4 4 2 3) | I |
| (2 3 2 4) | R |
| (3 4 1 3 4) | Z |
| (2 3 2 3 4) | N |
| (3 4 3 1 2) | W |

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**Správné řešení 2**

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| 1I2 + 2NaClO3 🡪 2NaIO3 + 1Cl2 | (1 2 2 1) | **D** |
| 3Ag + 4HNO3 🡪 3AgNO3 +1 NO + 2H2O | (3 4 3 1 2) | **W** |
| 4FeS2 + 11O2 🡪 8SO2 + 2Fe2O3 | (4 11 8 2) | **E** |
| 3Se + 4HNO3 + 1H2O 🡪 3H2SeO3 + 4NO | (3 4 1 3 4) | **Z** |
| 5CO + 1I2O5 🡪 1I2 + 5CO2 | (5 1 1 5) | **H** |
| 2HNO3 + 3H2S🡪 2NO +3S + 4H2O | (2 3 2 3 4) | **N** |
| 2SF4 + 1XeF4 🡪 1Xe + 2SF6 | (2 1 1 2) | **X** |
| 2B2O3 + 4BrF3 🡪 4BF3 + 2Br2 + 3O2 | (2 4 4 2 3) | **I** |
| 2H2S + 1SO2 🡪3S + 2H2O | (2 1 3 2) | **M** |

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| --- | --- |
| (4 11 8 2) | E |
| (7 2 1 1) | Q |
| (5 1 1 5) | H |
| (2 1 3 2) | M |
| (1 2 2 1) | D |
| (2 1 1 2) | X |
| (1 2 2 2 3) | B |
| (2 4 4 2 3) | I |
| (2 3 2 4) | R |
| (3 4 1 3 4) | Z |
| (2 3 2 3 4) | N |
| (3 4 3 1 2) | W |