|  |  |
| --- | --- |
| **Meno:** |  |

**Úloha 1 (49 b)**

**Úloha A) (9 b)**

|  |  |
| --- | --- |
| **a** |  |
| **b** |  |
| **c** |  |
| **d** |  |
| **e** |  |
| **f** |  |
| **g** |  |
| **h** |  |
| **i** |  |

**Úloha B) (8 b)**

|  |  |
| --- | --- |
| **a)** |  |
| **b)** |  |
| **c)** |  |
| **d)** |  |
| **e)** |  |
| **f)** |  |
| **g)** |  |
| **h)** |  |

**Úloha C) (8 b)**

|  |  |
| --- | --- |
| **Zn + 2HCl** 🡪 |  |
| **ZnSO4 + 2KOH** 🡪 |  |
| **2ZnO + C** 🡪 |  |
| **2ZnS + 3O2** 🡪 |  |

**Úloha D) (9 b)**

|  |  |  |
| --- | --- | --- |
| **zinok** | **kadmium** | **ortuť** |
|  |  |  |

**Úloha E) (15 b)**

|  |  |
| --- | --- |
| **a)** |  |
| **b)** |  |
| **c)** |  |
| **d)** |  |

**Úloha 2 (30 b)**

**Úloha A) (15 b)**

|  |  |
| --- | --- |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** |  |
| **5** |  |
| **6** |  |

|  |  |
| --- | --- |
| **a** |  |
| **b** |  |
| **c** |  |
| **d** |  |
| **e** |  |
| **f** |  |
| **g** |  |
| **h** |  |
| **i** |  |

**Úloha B) (6 b)**

|  |  |
| --- | --- |
| **1** |  |
| **2** |  |
| **3** |  |
| **4** |  |
| **5** |  |
| **6** |  |

**Úloha C) (9 b)**

|  |  |
| --- | --- |
| **a)** |  |
| **b)** |  |
| **c)** |  |
| **d)** |  |
| **e)** |  |
| **f)** |  |
| **g)** |  |
| **h)** |  |
| **i)** |  |

**Úloha 3 (19 b)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Te** | **Pr** |  |  |  |  | **Li** |  |  |
| **I** |  |  |  | **Y** | **O** |  |  |  |
|  |  |  | **N** |  |  | **I** |  | **Te** |
|  |  | **Y** |  | **Po** |  |  | **Te** |  |
|  | **H** |  | **Li** |  | **N** |  | **O** |  |
|  | **Li** |  |  | **O** |  | **Po** |  |  |
| **H** |  | **O** |  |  | **Li** |  |  |  |
|  |  |  | **O** | **I** |  |  |  | **H** |
|  |  | **Po** |  |  |  |  | **Li** | **Pr** |

|  |  |
| --- | --- |
| **Názov** |  |

**Úloha 4 (12 b)**

|  |  |  |
| --- | --- | --- |
| **vzorec** | **systémový názov** | **triviálny názov** |
|  |  | zelená skalica |
|  | oxid manganičitý |  |
| CaSO4.½H2O |  |  |
|  | oxid chromitý |  |
|  |  | kazivec |
|  | kyselina trihydrogenboritá |  |

**Úloha 5 (40 b)**

**Úloha A) (28 b)**

|  |  |  |
| --- | --- | --- |
| **prvok** | **minerály** | **latinský názov prvku** |
| Mg |  |  |
| Ni |  |  |
| Zn |  |  |
| Ag |  |  |
| Ti |  |  |
| Pb |  |  |

**Úloha B) (12 b)**

|  |  |  |
| --- | --- | --- |
| **minerál** | **systémový názov** | **číslo definície** |
| karnalit |  |  |
| nikelín |  |  |
| altait |  |  |
| rutil |  |  |
| akanit |  |  |
| smithsonit |  |  |