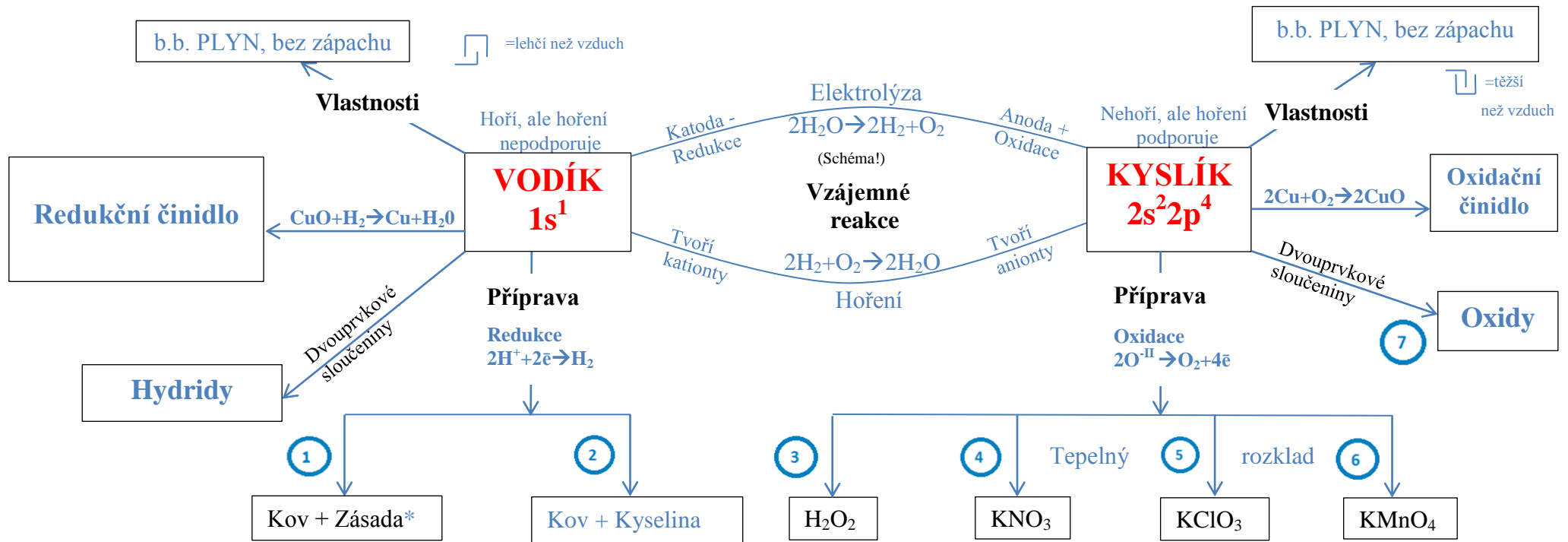


Porovnání vlastností **vodíku** a **kyslíku**



1.) ROVNICE – **VODÍK**

- $2Al + 2NaOH + 6H_2O \rightarrow 2Na [Al(OH)_4] + 3H_2O$
- $Zn + 2HCl \rightarrow ZnCl_2 + H_2$

2.) ROVNICE - **KYSLÍK**

- $2H_2O_2 \xrightarrow{\text{Katalyzátor}} 2H_2O + O_2$
- $2KNO_3 \xrightarrow{\quad} 2KNO_2 + O_2$ ($C + O_2 \rightarrow CO_2$)
- $2KClO_3 \xrightarrow{\quad} 2KCl + 3O_2$ ($C_{12}H_{22}O_{11} + 11O_2 \rightarrow 12CO_2 + 11H_2O$)
- $2KMnO_4 \xrightarrow{\quad} K_2MnO_4 + MnO_2 + O_2$
- $(4Al + 3O_2 \xrightarrow{\quad} 2Al_2O_3, S + O_2 \xrightarrow{\quad} SO_2)$
- $2Mg + O_2 \xrightarrow{\quad} 2MgO$