A question in inorganic chemistry about periodic table information

Letters A, B, D etc. stands for unknown inorganic compounds, which react as shown in table. Formulas for all organic compounds are known.

- Compound A contains transition metal and transition metal content is approximately 72% (by mass)
- Solutions of compounds $U, N, \xi$ are strongly basic. There are no information about solutions of other compounds.
- Solutions of compounds $O$ and $N$ colors gas flame yellow, while compounds $U$ un $\xi$ colors flame purple red.
- Water solutions of compounds $V$, $P$ and $L$ are blue.
- Substances $E, G, H, M, R, S, \xi$, $\xi$ contain only one chemical element.
- Three transition metals are mentioned in this crossword.
- Equations in crossword are not balanced.

Write chemical formulas for all compounds abbreviated with letters.

Translate  Taghreed Al-Noor ,Acs Iraq chapter 2019, university of Baghdad
Chemical crossword - corrections (made with red color)
الكلمات المتقاطعة الكيميائية - تصحيحات (مصنوعة باللون الأحمر)

A - Fe₂O₄ or other oxide which contains 72% metal, Mn₃O₄, Rh₂O₅, CaO - is not accepted wrong chemistry
B - CO
D - CO₂
E - H₂
F - H₂O
G - Fe
H - C
I - O₂
J - HCl
K - FeCl₂
L - CuCl₂
M - Cu
N - NaOH
O - NaCl
P - Cu(OH)₂
Q - H₂SO₄
R - Zn or other metal
S - Li or other alkali metal
T - LiH or other alkali metal
U - LiOH or other alkali metal
V - CuSO₄
W - SO₂
Z - NO₂
Y - HNO₃
š - CaH₂, Ca accepted
ž - ZnO
â - Al
č - H₂CO₃
ē - Li[Al(OH)₄]
ɡ - Ca(OH)₂
ķ - CaCO₃
ņ - CaO
õ - LiCl or other metal
 commodo ZnSO₄

References

المصدر

Baltic Chemistry Competition

2011 PROBLE