

1. T, T, T, T, F, T, T, T
2. 17.39
3. $12 \text{Cl}_2 + \text{As}_4\text{S}_6 \rightarrow 4 \text{AsCl}_3 + 6 \text{SCl}_2$
 $\text{MgSiO}_3 + 6 \text{HF} \rightarrow \text{MgF}_2 + 3 \text{H}_2\text{O} + \text{SiF}_4$
4. 12
K
Rn
5. P^{3-}
 $1-$
6. AlF_3 , KH, SiO_2
7. NH_4CN
 O_3
8. 4.289
9. 2.2×10^{23}
10. $4 \text{PH}_3 + 8 \text{O}_2 \rightarrow \text{P}_4\text{O}_{10} + 6 \text{H}_2\text{O}$