

1. T, F, F, T, T, F, T, T
2. Te  
78
3.  $3 \text{ Fe} + 4 \text{ H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + 4 \text{ H}_2$   
 $4 \text{ LiOH} + \text{SO}_2\text{F}_2 \rightarrow 2 \text{ LiF} + \text{Li}_2\text{SO}_4 + 2 \text{ H}_2\text{O}$
4. 6.120
5.  $5 \text{ H}_2 + 2 \text{ ClO}_2 \rightarrow 4 \text{ H}_2\text{O} + 2 \text{ HCl}$
6. 60.83%
7. 275.8
8.  $\text{BrF}_3$ ,  $\text{HCl}$ ,  $\text{NH}_4\text{Br}$
9.  $\text{Cu}(\text{OH})_2$   
 $\text{CCl}_4$
10. 18  
71  
N or O or F