

1. T, F, F, T, F, F, T, F
2. -93.4
3. NH<sub>3</sub>  
same  
CO<sub>2</sub>
4. 19.1
5. 1,870
6. 1.18
7.  $\text{Zn(s)} + \text{N}_2(\text{g}) + 3 \text{O}_2(\text{g}) \rightarrow \text{Zn(NO}_3)_2(\text{s})$
8. 1.39
9. 37.0%
10. 0.2920