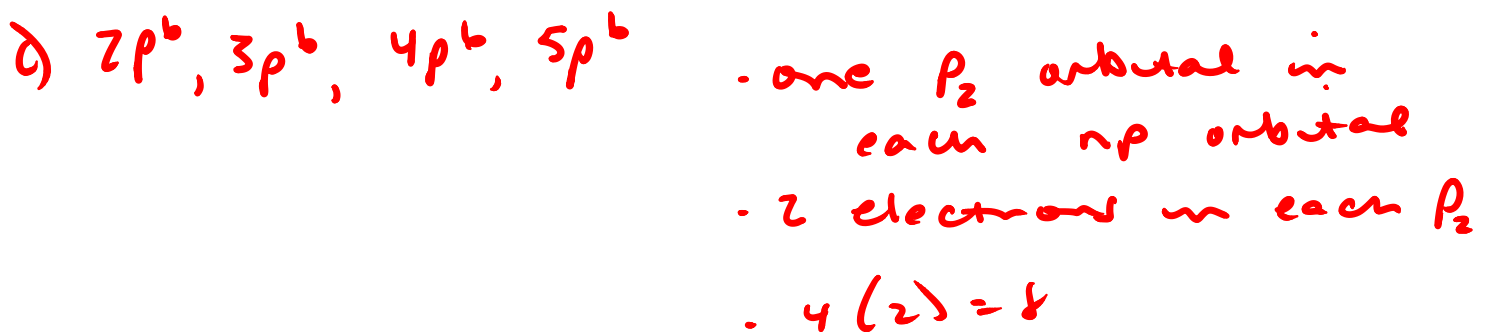
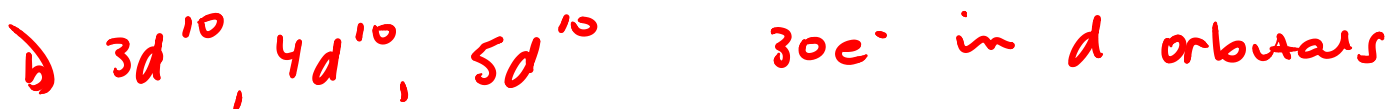


87)



d) all electrons are paired  
so one half of all electrons are  $+\frac{1}{2}$

$$\frac{80}{2} = 40 \text{ e}^- + \frac{1}{2}$$