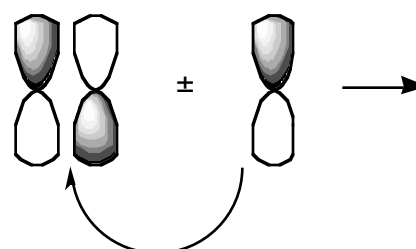
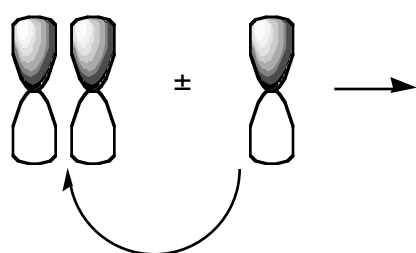


Answers to Problem 5, 2006

(a) B and A (from Pb. 4)  $\pm 2p$



note net zero interaction!

ordered by  
number of  
new nodes

— D

— E

— C

(b)

cation

— D

— E

$\uparrow\downarrow$  C

radical

— D

$\uparrow$  E

$\uparrow\downarrow$  C

anion

— D

$\uparrow\downarrow$  E

$\uparrow\downarrow$  C