

# Bio 111 Answer to iClicker Question 11A

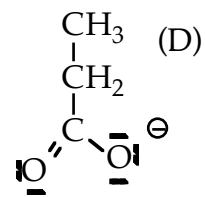
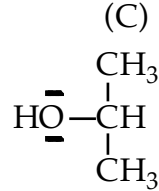
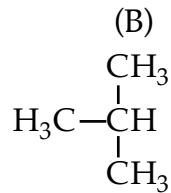
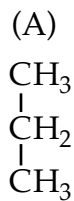
None of the three are correct hydrogen bonds, so (E) is the only correct answer.

(A) connects an acceptor to another acceptor.

(B) connects two donors.

(C) connects an acceptor to a hydrogen that is not capable of making an hydrogen bond (C-H).

# Bio 111 Answer to iClicker Question 11B



We will discuss this in lecture.

Compared to (A):

(B) has more 'phobic stuff (the  $-\text{CH}_3$  group)

(C) has more 'philic stuff (the  $-\text{OH}$  group)

(D) has less 'phobic stuff (no  $-\text{CH}_3$  group) AND more 'philic stuff ( $-\text{COO}^-$ )

Therefore, the one with the lowest score is (B) - it is the most hydrophobic.