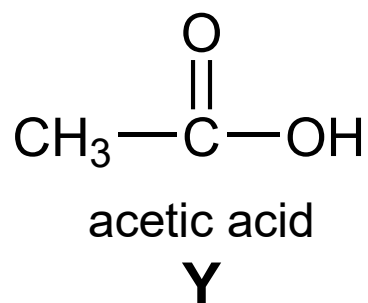
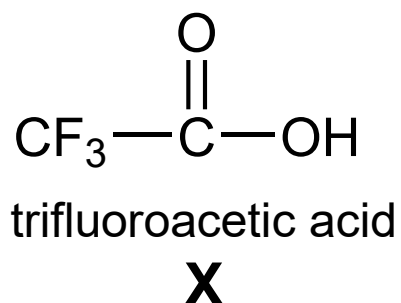


What predictions can you make about the relative K_a and pK_a values of the two acids shown below? Justify your answers.



- A) **X** has the larger K_a and the larger pK_a .
- B) **X** has the larger K_a and the smaller pK_a .
- C) **Y** has the larger K_a and the larger pK_a .
- D) **Y** has the larger K_a and the smaller pK_a .