

## Carboxylic Acids

1) Read your text book pg. 218.

### Questions:

1) Write down the name of the carboxylic acid that corresponds with the substances below:

- a) vinegar
- b) milk/yogurt
- c) ants (formic acid)
- d) rhubarb/spinach
- e) citric fruits
- f) vitamin C
- g) aspirin

2) What is the general structural formula for carboxylic acids?

3) What is the suffix (ending) for naming carboxylic acids.

4) Draw the following carboxylic acids. You need to draw the structural formulas.  
methanoic acid

hexanoic acid

methyl pentanoic acid

5) Are carboxylic acids polar or non-polar?

6) What happens to solubility (polarity) of carboxylic acids as the length of chain increases?

Hmrk: pg. 220 #5