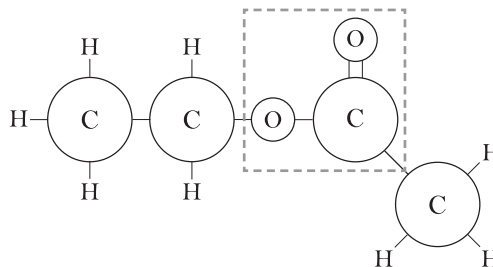


Additional Notes



The ester group is surrounded by a dotted line. This is the molecular structure of an ester called ethyl ethanoate (sometimes called ethyl acetate) — the solvent used in fingernail polish.

Esters are found naturally in many plants. They are the chemical compound in flowers that makes the fragrance of the flower. Esters are also found in fruits; they produce the flavor of the fruit. When artificial flavors are made in a lab, they are esters. There is a pretty complicated reaction required to make a very large ester that we know as polyester. That's right, there is an ester called poly ethylene glycol terephthalate, which is used to make clothes and other textile items. Take a look at some of the tags on your clothing and see if you see the word polyester.

Review It

1. Esters are another hydrocarbon _____.
2. Esters are formed by a reaction of _____
and _____.
3. Depending on the acid and alcohol used in the reaction, a
variety of _____ can be made.
4. Esters are found naturally in many _____.