



Chem!stry

Name: ()

Class:

Date: / /

Organic Chemistry – Esterification

- **Instructions:** Give the full structural formula and name of the ester that is formed when carboxylic acid **X** reacts with alcohol **Y**.

	Carboxylic Acid (X)	Alcohol (Y)	Full Structural Formula of the Ester
1.	<p>Name:</p>	<p>Name:</p>	Name:
2.	<p>Name:</p>	<p>Name:</p>	Name:
3.	<p>Name:</p>	<p>Name:</p>	Name:

	Carboxylic Acid (X)	Alcohol (Y)	Full Structural Formula of the Ester
4.	$ \begin{array}{cccc} & \text{H} & \text{H} & \text{H} & & \text{O} \\ & & & & & // \\ \text{H} & - \text{C} & - \text{C} & - \text{C} & - & \text{C} \\ & & & & & \backslash \\ & \text{H} & \text{H} & \text{H} & & \text{O} - \text{H} \end{array} $ <p>Name:</p>	$ \begin{array}{c} \text{H} \\ \\ \text{H} - \text{O} - \text{C} - \text{H} \\ \\ \text{H} \end{array} $ <p>Name:</p>	Name:
5.	$ \begin{array}{ccc} & \text{H} & & \text{O} \\ & & & // \\ \text{H} & - \text{C} & - & \text{C} \\ & & & \backslash \\ & \text{H} & & \text{O} - \text{H} \end{array} $ <p>Name:</p>	$ \begin{array}{c} \text{H} \\ \\ \text{H} - \text{O} - \text{C} - \text{H} \\ \\ \text{H} \end{array} $ <p>Name:</p>	Name:
6.	$ \begin{array}{cccc} & \text{H} & \text{H} & & \text{O} \\ & & & & // \\ \text{H} & - \text{C} & - \text{C} & - & \text{C} \\ & & & & \backslash \\ & \text{H} & \text{H} & & \text{O} - \text{H} \end{array} $ <p>Name:</p>	$ \begin{array}{cccc} & \text{H} & \text{H} & \text{H} & \text{H} \\ & & & & \\ \text{H} & - \text{O} & - \text{C} & - \text{C} & - \text{C} & - \text{C} & - \text{H} \\ & & & & & \\ & & \text{H} & \text{H} & \text{H} & \text{H} \end{array} $ <p>Name:</p>	Name:
7.	$ \begin{array}{cccc} & \text{H} & \text{H} & \text{H} & & \text{O} \\ & & & & & // \\ \text{H} & - \text{C} & - \text{C} & - \text{C} & - & \text{C} \\ & & & & & \backslash \\ & \text{H} & \text{H} & \text{H} & & \text{O} - \text{H} \end{array} $ <p>Name:</p>	$ \begin{array}{c} \text{H} & \text{H} \\ & \\ \text{H} - \text{O} & - \text{C} & - \text{C} & - \text{H} \\ & & \\ & \text{H} & \text{H} \end{array} $ <p>Name:</p>	Name:

- Scan the QR code given below to view the answers to this assignment.



http://www.chemist.sg/organic_chem/assignments/esters_ans.pdf