

## Combinatorial Chemistry: Answers

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- 1 (a) Water 1
- (b)  $\text{ROH} + \text{R}'\text{COOH} \rightarrow \text{R}'\text{COOR} + \text{H}_2\text{O}$  2
- (c)
- $$\begin{array}{c} \text{O} \\ \parallel \\ \text{R}'\text{---C---O---R} \end{array}$$
- 2
- (d) Ethyl propanoate 1
- (e) The acid, the alcohol, the ester and water. 2
- (f) It will have no effect. 1
- (g) This will increase the yield of the ester by driving the equilibrium to the right. 1
- (h) An O–H stretch (at about  $3300\text{ cm}^{-1}$ ) 1