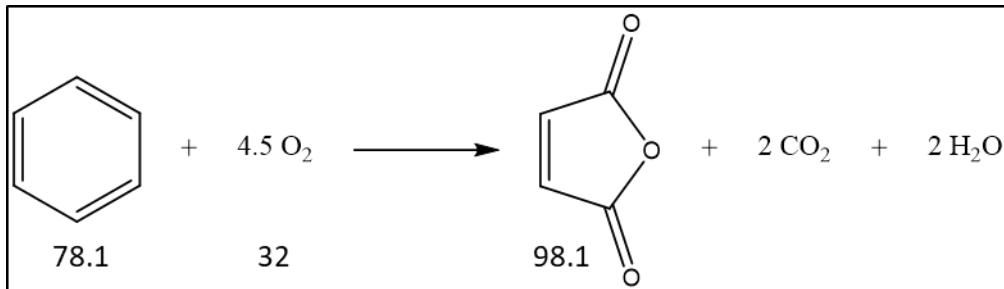
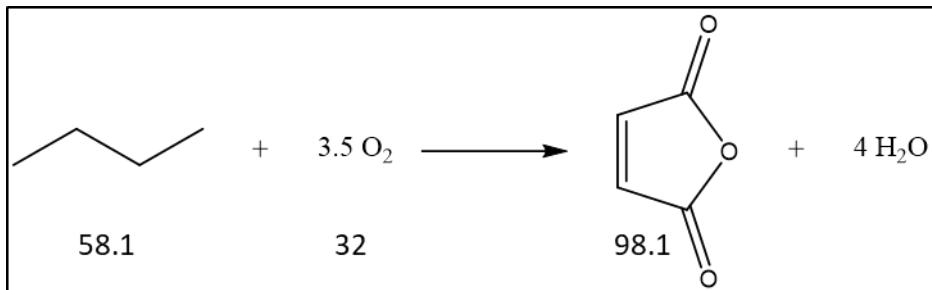


Exercise 1

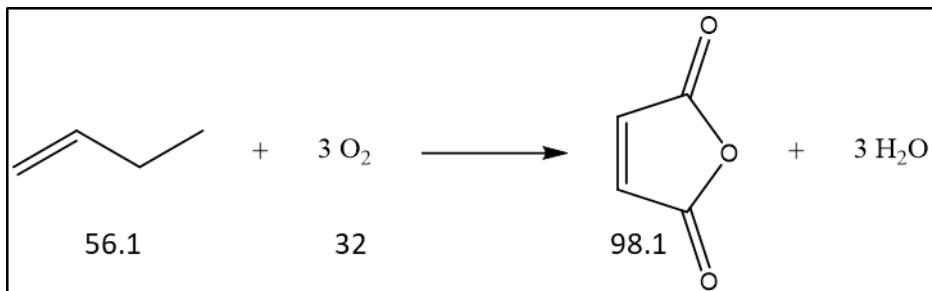
Calculate the atom economy for the following alternative routes to maleic anhydride

1. Benzene oxidation

AE=_____

2. Butane oxidation

AE=_____

3. Butene oxidation:

AE=_____