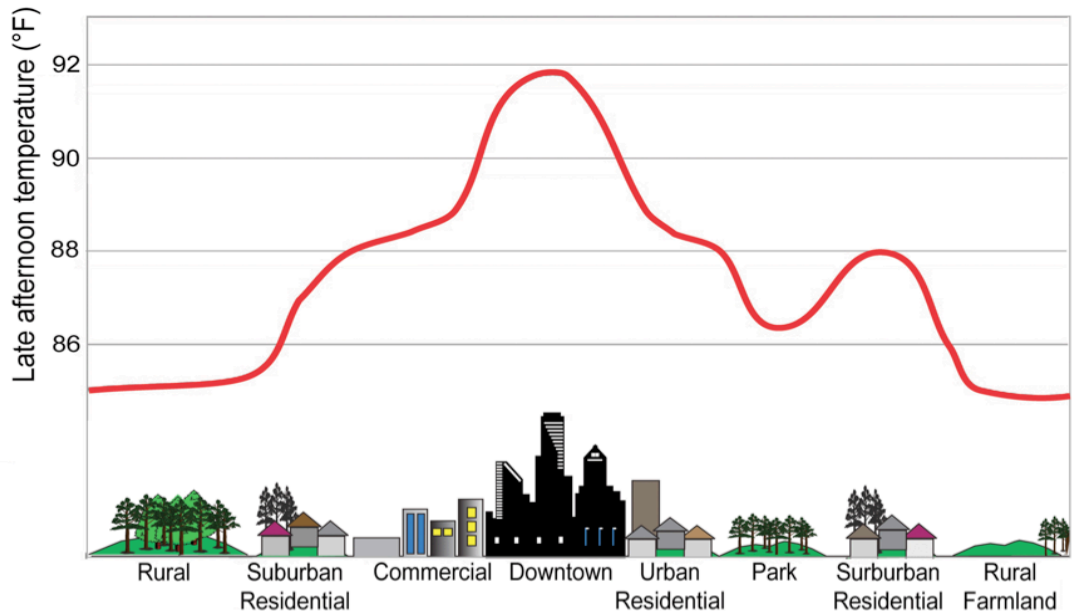


## Today's Engineering Challenge

Name: \_\_\_\_\_

According to the Environmental Protection Agency, temperatures in American cities can reach as much as 10°F higher than neighboring areas, a phenomenon called 'urban heat islands' (see the graph below). This effect leads to increased power usage for air-conditioning and tragically higher rates of heat-related deaths in summer.

You are part of an engineering team asked to design a solution to the urban heat island effect in your city. List and explain two methods that you could use to reduce the extreme high temperatures in your downtown urban area. These methods must be based on what you learned from today's activity.



Two methods for reducing temperatures in your city's downtown area	Your explanation for why each method would be an effective solution for your city's the Urban Heat Island problem