1. For $p$ odd, write down a periodic resolution of $\mathbb{F}_p$ as an $\mathbb{F}_p[C_p]$-module. (Hint: now take $N = 1 + g + \cdots + g^{p-1}$). Use this to compute $H^*(\mathbb{F}_p[C_p])$.

2. Try a ‘mixed’ example, like $H^*(\mathbb{F}_3[C_2])$. What do you get this time?

3. What about $H^*(\mathbb{F}_p[C_6])$, for the cases $p = 2$, $p = 3$, and $p > 3$?