1) Please draw a Lewis structure of propene: $\text{C}_3\text{H}_6$.

$$3 \cdot \cdot \cdot \text{C} \cdot + 6 \cdot \text{H} \Rightarrow \cdot \text{C} \cdot \cdot \cdot \cdot \cdot \text{C} \cdot \cdot \Rightarrow \text{H} : \cdot \text{C} \cdot \cdot \cdot \cdot \cdot \cdot \cdot \text{H} \Rightarrow \text{H} : \cdot \text{C} \cdot \cdot \cdot \cdot \cdot \cdot \text{H}$$

$$+ 6 \cdot \text{H}$$

2) Isocyanides are interesting molecules that are often used to make polymers. Please indicate the formal charge of the nitrogen in the isocyanide shown below.

$$\text{H}_3\text{C} \rightleftharpoons \text{N} \rightleftharpoons \text{C} :$$

$$5 - 4 = +1$$

(groups) (c° that "belong" to N)

3) The structure of Sildenafil (Viagra) is shown below. Please circle and label the following functional groups in its structure.

a) amide
b) ether
c) arene