Unit 3
Lecture 3.6 Quiz

1) The same polymer composition is cast from two different solutions. The only difference in the solutions is that one uses chloroform as the solvent and the other use 1,2-dichlorobenzene as the solvent. Given only this information, one would predict that, in terms of device performance, the:

- a. 1,2-Dichlorobenzene active layer performs better than the chloroform active layer.
- b. Chloroform active layer performs better than the 1,2-dichlorobenzene active layer.
- c. Layers perform equally well.

2) Annealing P3HT:PCBM composite thin films causes:

- a. Decomposition of the P3HT.
- b. Crystallization of the PCBM.
- c. Intermixing of the P3HT and PCBM.
- d. Decreased mobility of the PCBM phase.
- e. A reaction between the P3HT and PCBM phases.