1. In the screenplay *Copenhagen*, two predominant themes can be discerned: *uncertainty* and *complementarity*. Give THREE examples of each, and describe how each is demonstrated. You are NOT confined to characters, necessarily, but may also cite any other directorial techniques.

2. The screenplay *Copenhagen* delves into the moral and ethical responsibility of scientists to society in either its betterment, or its destruction. Today, the full details of controversial research that led to the creation of a highly infectious form of birdflu virus – including the precise DNA sequence of the five mutations that transformed the virus – will be published despite fears that the work could be misused by bioterrorists, scientists said today. Not unlike the ramifications of building the atomic bomb during WW2, this research, if published may pose a threat to world security. On the other hand, scientists working on this virus could benefit from the knowledge gained as a result of this research. Should the results of this study be published and made available not only to scientists, but to the general public as well? Back up your opinion with logic and examples based on what you learned from *Copenhagen*.

Modern Physics  Mr. Nicastro  *Copenhagen*, a Retrospective

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