

**AY 5, Summer Session I, 2008:**  
**Quiz #4a**

**Draft:** July 22, 2008

1. How do we distinguish between a black hole and other dense, dark objects (like a neutron star)?
2. Why are supernovae important?
3. Though interstellar dust only makes up about 1% of the mass within the interstellar medium, why is it still important to the formation and evolution of *stars*?
4. What is the goal(s) of the Joint Dark Energy Mission (JDEM)?
5. What is the role of dark energy in the Universe?