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?