

Your name: _____

Arvind Borde

AST 10: Homework 2b

1. What are the three parts of the Milky Way?
2. What are two parts of the Milky Way where stars might only be light days away from each other?
3. What is Sagittarius A* and why should we care?
4. What do we think is the mass of the black hole at the center of the Milky Way?
5. How do we figure out this mass?
6. Are the arms of the Milky Way "material"? Give reasons.
7. How far out does the halo of the Milky Way seem to extend?
8. Is the sun a Population I star or Population II. Why?
9. How many stars does the Milky Way contain?
10. What are globular clusters? Where are they?