

Name: _____ Date: _____

Harkness-Based Discussion Questions

"Less is More in Medicine" by A. Paul Alivisatos

http://www.pha.jhu.edu/courses/172_114/MedApplic.pdf

1. What are two potential benefits of nanotechnology partnered with biomedical research?
2. What is the inorganic crystal in magnetotactic bacteria? How is this crystal utilized by the bacteria? How might similar crystals help in biomedical research?
3. What is a quantum dot? What makes a quantum dot glow? What makes them glow in different colors?
4. What makes the use of quantum dots in biomedical research so exciting?
5. What is another type of nanoparticle that is being studied? What applications might it have?
6. What instrument is used in nanotechnology?
7. What is a dendrimer? How might they be used in medicine?
8. How might nanotechnology serve to repair damaged tissue?