

Student Name: _____

Partner's Names: _____

Discussion Question #4 (October 1st)

What type of microscope would you use to visualize surface atoms?

How would you study magnetic nanoparticles?

What are the relevant forces in an atomic force microscope?

What signal is recorded in a STM and AFM?

Explain the difference between tapping and contact mode?

Describe the trade-off between scan size and resolution when using a piezoelectric scanner.

How would you visualize the internal structure of a current generation computer chip?