**Day 3: Information Storage - In-Class Activity**

**Group # \_\_\_ Group Members:**

**Pre-Class Assignments:** Information Storage Systems video, Information Storage homework

**Societal Lesson:** Innovations in materials often change the lives of communities in anticipated and unanticipated fashions.

**Part 1.** Information exchange has always been a driving force behind changes in writing media. We seem to have an insatiable need for more information storage. Why? What might be a driving force behind future needs in improving data storage?

**Part 2.** How might this new magnetic storage technology affect how we make and use knowledge? (E.g., who has access to knowledge, how is knowledge exchanged, who is responsible for its storage, who owns the knowledge and finally are we getting smarter with all this memory storage?)

**Part 3.** What is Cloud data storage in one sentence? What are the two technologies that dominate cloud storage and what are the strengths of each? Do you use the cloud and why or why not i.e. what are the advantages and disadvantages to you?

**Part 4.** In what instances might future magnetic storage materials replace other materials for information storage (like paper etc.)? In what instances might they co-exist? Why does a new material for information storage not replace other materials immediately, or at all?

Grading Rubric. Your grade for the activity will be determined from the following criteria (max 5 points):

5= Responses are appropriate, comprehensive, and indicate thoughtful engagement with the information and concepts from the lecture, readings, and videos. Novel ideas, creativity, and attention to complexity are a plus.

4= Good effort. Responses and arguments are not as clearly presented, or as comprehensive and thoughtful as in a full credit answer.

3= Responses are less appropriate to the assignment, less thoughtful and engaged, with less complete information. Errors in grammar, punctuation and or sentence structure will also result in loss of points.

2= Responses are incomplete, showing little effort, thought, or use of preparatory materials.

1= Responses are not consistent with preparatory materials. Assignment is badly incomplete. Next to no effort.