**Homework 9 – Individual Homework Assignment**

View [Bulk Metallic Glass - Amorphous Metals](https://www.youtube.com/watch?v=WbPpgQtv7Xc)  (15:15)

You may also want to watch a second video (earlier version) entitled “Amorphous Materials: Metallic Glass” by Golden Kumar: <http://www.youtube.com/watch?v=mUaXxjjLeDo>

As you watch the video, consider answers to the following questions:

1. What are some of the enabling properties of metallic glass? What are some of the limitations of the properties of metallic glass?
2. What is involved in shaping or molding metallic glass?
3. What are some of the potential applications of metallic glass?
4. What are some of the challenges to developing applications of metallic glass?
5. After you watch this video, spend a little bit of time on the Internet investigating the business model and production needs of metallic glass. What competition exists in the marketplace for this new material?

**Turn-in Written Assignment for Grade before the start of class on Day 3.**

Please answer these questions in either bullet points or full sentences. Your responses will probably take ½ to 1 page. Assignment will be graded out of 2 points on effort, use of the lecture, video, and reading materials, and thoughtful reflection. Be sure your name is on the paper. A cover page is not necessary. See grading rubric below:

**Your grade on the essay will be based on the following criteria:**

Grading Rubric.

2= Responses are appropriate, thoughtful, and indicate engagement with the video and any other required viewing/reading materials.  Grammar, sentence structure and punctuation are correct.

1= Responses and arguments are incomplete and/or inconsistent with the required viewing/reading material. Some issues with grammar, punctuation and or sentence structure.

0= Responses are not appropriate to the assignment or missing entirely. Major issues with grammar, punctuation and or sentence structure.

Points = 2