**Module 5- Individual Homework Assignment**

**View the video** [Gold (8:25)](https://www.youtube.com/watch?v=Kbf4Nqy7WdE)

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

1. Why are nanomaterials being considered for drug delivery?
2. What properties of nanomaterials are important to improve their efficacy?
3. How may the use of nanomaterials benefit cancer therapies?
4. What concerns should we bear in mind when developing these materials?
5. There are seven basic properties of gold (relative density, ductility, malleability, melting point, optical properties, alloying properties, and oxidation potential). Are the properties of gold that *afford* nanomaterials for drug therapy different than the properties of gold that affords other applications of this material?
6. Look back at your reading assignments from this week and surf around the Internet a little to remind yourself of some of the many technologies and material products created using gold. Think about how these products reflect gold’s intrinsic value. How does the use of gold in nanomaterials for cancer therapy add extrinsic value to gold’s existing intrinsic value?

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

Please answer the questions in either bullet points or full sentences. Your response 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.

**Your grade will be determined from the following criteria.**

Grading Rubric.  Your grade will be determined from the following criteria.

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

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Points = 2