**Module 5: Individual Homework Assignment**

**Please complete and turn in this assignment in class on the third day of this module. Assignment will be graded out of 2 points on effort, use of the lectures, video, and reading materials, and thoughtful reflection. Be sure your name is on the paper.**

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

1. 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. 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 or the same as the properties of gold that affords other applications of this material? Explain with examples.
2. Do some Internet research into supply and demand for gold. How much gold is extracted each year worldwide? Where does most gold today come from, and where are gold’s largest consumer markets? How has the price of gold changed over the past decade? And what is the cost of an ounce of gold today?
3. Why do we refer to some diamonds as conflict materials?