**Module 8- 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.**

1. Why are people interested in Mg alloys?
2. How do the mechanical properties of Mg alloys compare with high carbon steel? Explain.
3. What are three examples of applications where Mg alloys are replacing high carbon steel?
4. Pick a major company that manufactures a product (ideally one that is publicly traded on the stock market so that its business documents are publicly available). Doing some Internet research, try to determine, if possible, the fraction of the company’s budget that is spent on research and development (R&D), marketing, and improving manufacturing techniques.