Tips for HW3

* All of the multiple choice questions have multiple correct answers.

1. If you find yourself struggling with this one, try the problem in SI units first. Pretend you started out with 1 gmol or kmol of coal, then calculate the mass in grams or kilograms. Once you have this down, try it in Engineering English units
2. g does not equal g­c. They have the same magnitude, but different units. Make sure you keep track of units in this problem.
3. Look back at the slideshow from Lecture 2 if you can’t remember the equation for rotational kinetic energy.
4. Each of the “iso” terms describes what is constant during the process. The other key words will help too. For instance, compression would mean that V2 is smaller than V1 (or that p2 is higher than p1). Also, one of the key attributes of a cycle has to do with the start and end point.