**Name: \_Zachary Hudson\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_08/26/18\_\_\_\_\_\_\_\_\_**

1. General Info
   1. Proposed Title: *Remedy to Anatomical Discrepancy of Species of* Dirca
   2. Likely coauthors: *Dr. William Graves*
   3. Proposed journal (1st choice): *Journal of American Botany*
   4. Proposed journal (backup): *International Association of Wood Anatomist Journal*
2. The overarching question of this paper is *what are the anatomical stem organizations of species of* Dirca
3. Which is important/interesting/unresolved because (1-4 reasons)
   1. *3 authorities describe conflicting anatomical descriptions without citing each other*
   2. *Species of* Dirca *have not been differentiated by stem anatomy*
   3. *Only one species has been fully described, a second partly, and the other two have never been investigated*
4. To answer this question/explore this topic, I addressed the following objectives: (NB you can have more or less than 3 objectives, but I recommend 2-4)
   1. *Describe the stem anatomy of 4 species of* Dirca
   2. *Identify similarities and differences*
   3. *Does my description have any phylogenetic consequences for the genus*
5. I addressed these objectives: (use list/bullet points below)
   1. In *[fill in location]*
   2. With the following focal/model species/model system: *All species of* Dirca
   3. And the following approaches: *cell dimension measurements using micrographs of stem tissue of all four species of* Dirca
6. For my analysis, I want to test: are the average cell dimension of one species different from another species
7. My response (y-axis) variable is: *N/A*
8. My predictors (x-axis/colors/shapes on the graph) are: *N/A*
9. I replicated this across multiple *independent plants representing the range for a given species*
10. I think I will need to analyze these data using a *ANOVA with Tukey*
11. I anticipate I will get a final figure(s) that will look like *tables with cell dimensions range and outlier*