Arizona Plants and Animals of the Desert *poster* assignment. **500 points**

Objective: Students will produce a poster board that represents one animal or plant found in Arizona’s Deserts.

Project requirements:

-Must be presented on ½ of a standard poster board

-Must include one *colored*, *line* drawing of the animal/plant

-Must include a *colored* diagram indicating the range of the organism (the standard state outline will be   
 provided

-Must include a *typed* 1 paragraph description of the organism’s niche and natural history

-Must include a *typed* 1 paragraph description of the organism’s conservation status

-Must include a *neatly hand drawn* food web that indicates the organism’s place in the ecosystem

Details:

1. Line drawing of the organism.
   1. must be large, taking up most of a sheet of notebook paper
   2. must be in color
   3. may be hand drawn, or converted with something like: <http://online.rapidresizer.com/photograph-to-pattern.php>
   4. worth 100 points
2. Color diagram of the organism’s range.
   1. must use color
   2. must indicate statewide range of the organism
   3. must outline (in black) the deserts of the state that may include the range of the organism
   4. students will be given the pattern on which to complete this
   5. worth 50 points
3. 1 paragraph description of the niche and natural history
   1. must be typed
   2. must describe life history of the organism:
      1. average age
      2. average size
      3. reproductive habits (mating seasons, litter size)
   3. must describe niche of the organism:
      1. diet
      2. predator-prey relationships
   4. worth 100 points
4. 1 paragraph description of the conservation status
   1. must describe the interaction of the organism with humans
   2. must describe the population size of the organism
   3. must describe any conservation attempts to preserve the organism
   4. must list the *conservation status* of the organism
   5. worth 100 points
5. Hand-draw food web
   1. must be hand drawn
   2. must take up approximately ½-1 sheet of letter size paper
   3. must use color
   4. must show the organism’s place in the entire immediate ecosystem
   5. must have arrows in the correct orientation showing the passage of energy
   6. worth 100 points
6. Presentation
   1. must be arranged on a *non-fluorescent* poster board, ½ of the normal size (cut it in two)
   2. must use color when appropriate
   3. must be neat and tidy
   4. must be creative and attractive
   5. all text must be big enough to read from ten feet away
   6. worth 50 points

How to select an organism:

1. go to mrsawyercvhs.weebly.com
2. click on “assignments”
3. click on “Ecology Animals and Plants of the AZ Deserts List”
4. select your animal or plant from the drop down list
5. enter your name
6. select “submit”

Timeline:

You will be given two days in class to work on this project

* 1. day one will be composed of computer/internet based research
  2. day two will be composed of research, and assembling/working on the poster itself
  3. after this, you will have two days of your own time to complete the poster

DUE DATE:

October 30th at the beginning of class