



## AP Environmental Science 4<sup>th</sup> Quarter Project: APES Scavenger Hunt

(100-point exam grade with potential for bonus!)



You or your team is required to take pictures of the items on one of the lists shown below. You will earn your points by finding the items on your assigned list, and/or finding some of the bonus items, and by fulfilling the requirements of the presentation you will create as indicated at the bottom of this page. Everyone must be ready to present their work on 6/7. Here are the official rules and regulations as determined by the Association of APES Teachers International:

1. You can work alone, or in groups of 2 or 3.
2. For the first time ever... if you choose the "movie" presentation option and get teacher approval, you may work on this project with friends in other classes! (yay)
3. The list your group will be responsible for will be determined by individual teachers... I smell a competition in your near future!
4. Once your list has been determined, you/your group will be provided with a detailed rubric that indicates where all points can be earned, as well as some possible extra points (a maximum of 5 bonus points are possible). Based on your individual rubric point distribution, you can determine exactly what you need to do to earn the highest possible score.
5. The bonus items help serve as "buffer points". If you can't find an item on your list, you can use the bonus list items as replacements.
6. You or a group member **MUST** be in the picture for the item to be considered for grading.  
(Yes ... you are allowed to use pictures from when you were younger that has an item in it.)
7. Pictures may only be used once in the presentation (in other words, you can't use one picture to cover different items on your list).
8. You may be creative, but all examples must be scientifically correct and appropriate. If you are not sure what the item is, look it up ...  
Your presentation should include explanations (verbally or included somehow in the movie presentation) whenever necessary.
9. A copy of the presentation is shared / emailed to me before the set due date  
(the title of your file starts with period # followed by last names of people in group – ex: 1wahlbergsmithroberts)

Item #	List A	List B	List C
1	residential oil tank	hot water heater tank	oil/natural gas furnace
2	front loading washing machine	Energy Star appliance	energy efficiency at home <i>(be able to justify)</i>
3	organic product	non-GMO or no nitrite label	an environmentally friendly cleaning product
4	hybrid vehicle	electric car	non-fuel efficient vehicle
5	different types of plastic <i>(# in triangle)</i>	FSC-certified product	post-consumer recycled product
6	vampire electronic device	CFL in use	LED in use
7	recycling at home / in neighborhood	reuse	reduce
8	solar panels on a home	solar panels <i>(different application)</i>	evidence of UV degradation
9	chemical fertilizer	pesticide	compost
10	Integrated Pest Management (IPM)	sustainability <i>(be able to justify)</i>	"Go Green" advertisement
11	deciduous tree	coniferous tree	introduced / invading species
12	water efficiency at home <i>(be able to justify)</i>	bamboo product	something produced by sustainable energy
13	alternate source of transportation	point source pollution	biomass as an energy source
14	tragedy of the commons	biodegradable packaging	2 objects that are "green"
15	gas station	garbage truck	groundwater recharge basin <i>(sump)</i>

BONUS ITEMS	
16	tankless water heater
17	oligotrophic lake
18	eutrophic lake
19	cultural eutrophication
20	estuary/wetland
21	power plant
22	wind turbine
23	solar farm
24	watershed sign

### Finished Presentation Requirements

all slides are in number order, clearly labeled with item name and item #,  
and there is a relatively equal distribution of pictures of all group members  
12 points

quality/equality of oral presentation (overall clarity / organization / enthusiasm) or  
movie presentation design and flow (easy to read, transitions and timing, production quality)  
12 points