

## Homework #1

**Due: April 21 (Tue) 23:59**

Select one of personal care products (e.g., shampoo, conditioner, cosmetics) you use in your everyday life. Find the ingredient list of the product and answer the following.

1. Classify all ingredients into organics and inorganics.
2. Among the organic ingredients, select one that is in current concern as an emerging contaminant. Provide the molecular structure of the chemical and its systematic and common names (if any common names exist).
3. Briefly describe the function of the selected organic chemical in the personal care product you use.
4. Find a peer-reviewed research article discussing the (eco)toxicity of the chemical. Briefly (in one or two sentences) describe what you found from the paper. Do not forget to provide the bibliography of the paper.