

## Soil Science Presentation

Select one of the following questions\*

1. As the human population continues to grow, how will we feed more people without causing harm to our soils and the environment?
2. How can we sustainably manage our soils and land as it relates to energy production (mining necessary metals for solar and EV batteries, fertilizer inputs, location of solar panels and wind turbines, biofuels, etc)?
3. How can we conserve nutrient resources and enhance soil fertility despite exporting ever-larger amounts of nutrients from farm soils to cities?
4. How can we manage our soils to conserve fresh water and protect water bodies from further pollution?
5. How can we create soils that have resilient biotic populations that create a productive ecosystem?
6. How can we use soils in conjunction with biogeochemical reactors to detoxify soils whilst preventing contamination and maintaining soil productivity?

\*Adapted from Brady & Weil, 2017

Research why the topic you selected is an issue that we should be concerned with. Research and explore possible solutions. You are encouraged to critically examine our current practices and proposed solutions. Using your research, create a PowerPoint presentation that you will present to the class. The PowerPoint should inform the class as to what the problem is and why it matters, as well as what can be possibly be done to address it. There are likely to be pros and cons to the solutions and those should be included. Your last slide(s) should be your references in APA format.