

AP Environmental Science
Unit 6: The Living World
Lab: Phytoremediation

Name:

	1	2	3
Focus Question			Clear, logical, feasible, and testable scientific question.
Experimental Hypothesis			Reasonable, clear, justified answer to the focus question
Null Hypothesis			Testable null hyp which if disproven clearly supports the Exp. Hyp.
Data Description			Identifies quantifiable data that could be easily collected to test the hypothesis.

	1	2	3	4	5
Methods					Clear, thorough, reproducible set of instructions. Must include replication and randomization.
Results					Neat table that clearly presents the necessary data, each column includes title and units.

Materials, equipment and supplies:

- Grow lights
- Sunflower Seedlings *Helianthus annuus* (12 per group)
- Hoagland's solution
- Test tubes (12)
- Paper support circles (12)
- Dyes (Bismark Brown, Methyl Red, Methyl Blue, Methyl Green, Alizarin Yellow, Crystal Violet)
- Microscope
- Scalpel
- Vernier Colorimeter and LabQuest Data Interface
- Cuvettes (5)