

The Grass Won't Grow Worksheet

_____ Ryan's Hypothesis Tested

_____ Emily's Hypothesis Tested

1. Why was a Petri dish with just seeds and water included in this experiment?

2. If _____'s hypothesis is TRUE, then what should be observed in the two Petri dishes in this experiment?

3. If _____'s hypothesis is FALSE, then what should be observed in the two Petri dishes in this experiment?

4. Describe the results of the experiment.

5. What is the status of _____'s hypothesis based upon your results?

- 6a. Answer if Ryan's hypothesis was tested—how well did this experiment test Ryan's hypothesis? Could a better test be performed? Describe how. (*Hint: Do all pine trees have the same thickness of pine needles under them? Does light get through the pine needles to the grass seed? Is the temperature of the ground a factor?*)

- 6b. Answer if Emily's hypothesis was tested—how well did this experiment test Emily's hypothesis? Could a better test be performed? Describe how. (*Hint: Is the water that reaches grass seeds under a pine tree boiled? Is tap water the same as rain water?*)