Jordan Cash

Natural Heat

The hypothesis of this project is: The black pipe will retain enough of the sun's natural heat in the day to distribute it to the water inside, thus heating the soil and keeping it warm enough for plants to germinate during the night, through radiation from the water to the pipe, to ultimately the soil. The hypothesis is not supported by the data shown; because the soil was not warm enough (21.1 degrees Celsius) for the plants to germinate. Therefore a conclusion can be made. As the temperatures outside increases, the soil, water, and greenhouse temperatures also increase. This is a direct relation because the temperatures of the soil, water and greenhouse depend solely on the temperature of the outside air. If the outside temperature does not increase sufficiently, the proper germination temperatures cannot be achieved without modification to the existing apparatus setup.