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| **Science 8**  **Controlled Experiments** | **Name: Date: Block:** |

 <https://www.youtube.com/watch?v=VhZyXmgIFAo>

**Mark Molly**

Whose plant do you think will grow more? Why?

I predict that…

Because…

What were the results?

What is wrong with the experimental design?

What would you do to change the experimental design?

**Independent Variable:**

* Definition:

**Dependent Variable:**

* Definition

**Consider this scenario…**

Nadia has brown wavy hair and Tiana has brown straight hair. Nadia uses Pantene Pro-V conditioner and Tiana uses Dove conditioner. After 2 weeks, Tiana has shinier hair.

* Is this a controlled experiment? Why or why not?
* How would you redesign this experiment to make it controlled?
* Identify the independent and dependent variable in your redesigned experiment:
  + Independent:
  + Dependent:

