

Barney's Experiment

Homer notices that his shower is covered in a strange green slime.

His friend Barney tells him that coconut juice will get rid of the green slime. Homer decides to check this out by spraying half of the shower with coconut juice. He sprays the other half of the shower with water.



After 3 days of "treatment" there is no change in the appearance of the green slime on either side of the shower.

Thinking about this experiment - List the following:

- A) Independent variable (IDV):** The side of the shower treated with coconut juice.
- B) Dependent variable (DV):** The level of green slime on the shower.
- C) Controlled variables/Constants:** How long he leaves the treatment on the shower. Both sides should be equally slimy at the start of the experiment. He should use an equal amount of each side of the shower. He should use an equal amount of coconut juice and water to treat the shower.
- D) Hypothesis (IF.....THEN....):** If the shower is treated with coconut juice then the level of green slime will be reduced. If the shower is treated with water then the level of green slime will not change compared to coconut juice treatment.
- E) How could you improve this experiment?** Repeat the experiment 3 times. Treat the shower for longer before ending the experiment.