

Variable Worksheet

Name: _____

For each question identify the independent variable (IV), dependent variable (DV), and 2 controlled variables for each scenario.

1) John wanted to find out what fertilizer works best for growing Roses. He put Miracle Grow on one, Scotts fertilizer on one, NO Name Fertilizer on one, and no fertilizer on another with just pure water. John counts how many petals are on each rose after 1 week.

a) Independent Variable is ^{change} Different fertilizer

b) Dependent Variable is ^{measure} (count) how many petals on each rose

c) Controlled Variable ^{Keep same} Same type of seed

Controlled Variable Same amount of sunlight
Same amount of fertilizer
Same pot
Same amount of water

2) Sue wanted to see if eating apples would help her to do better on her class work. The first day, she didn't eat any apples, On day 2, she ate one apple; on day 3 she ate 2 apples; and on day 4, she ate 3 apples. Each day, she recorded the graded she got on her math work.

a) Independent Variable is ^{change} How many Apples Sue eats each day.

b) Dependent Variable is ^{measures} Mark on Math work

c) Controlled Variable ^{Keep same} Keep same kind of apple, Same size
Controlled Variable Same math work,

Independent → Scientist changes

Dependent → Scientist measures / observes

Controlled → Scientist must keep same

Attachments

Unit 1 Space Test Outline.notebook

Simpson Variables of experiments worksheet.docx

SCIENCE PRACTICE ASSESSMENT - Grade 6.pdf

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