

EXPERIMENTAL VARIABLES

A variable is any factor that can be _____ or _____ in an experiment.

A) _____ *Variable*

- factor that you _____ or _____ in an experiment.
ie.

B) _____ *Variable*

- factor that you _____ or _____ in an experiment.
ie.

C) _____ *Variable*

- factor(s) kept the _____ or _____ so they do not affect the outcome of an experiment.
ie.

TRY THIS: *Underline the dependent variable; Circle the independent variable; Box the controlled variable(s)*

1. The number of roses in bloom is recorded daily for three weeks.
2. The number of leaves that fall to the ground are counted every hour for 1 day.
3. Geranium plants are given different types of fertilizer and the number of seeds produced are counted.
4. Guinea pigs are kept at different temperatures for 6 weeks. Percent weight gain is recorded.
5. Men, aged 30-40 years old, are placed on treadmills at a constant speed. Their heart rates are recorded for different inclines.
6. St. John's Wort is an herb that helps to prevent depression in post-menopausal women.