Biology Controls and Variables

College | Biology | Introductory

Learner: _____ Date: _____

For each study, identify the independent variable, dependent variable, comparison group, and one controlled factor.

Yeast cultures receive different sugar concentrations; gas production is measured.

Answer: _____

Seedlings receive two light colors; height is measured.

Answer: _____

Enzyme samples receive different pH solutions; reaction rate is measured.

Answer: _____

Cells receive a treatment or solvent only; survival is measured.

Answer: _____

Grown-up check: Other controlled factors are acceptable when they are relevant and held constant.

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