

Scientific Method Worksheet

Read through the following scenarios. Identify the control group, the experimental group, the independent variable, and the dependent variable.

Scenario	Independent Variable	Dependent Variable	Experimental Group
A school tests the effect of study time on test scores by having one group study for 30 minutes and another group study for 60 minutes for an upcoming exam.			
Researchers investigate if a new type of tire provides better fuel efficiency. Thirty cars are equipped with the new tires and compared to thirty cars with standard tires over 500 miles.			
A gardener wants to know if different soil types affect plant growth. She plants seeds in clay, sandy, and loamy soils and measures growth over a month.			