

Constructed-Response
Standard 5: The Nature of Science

Question 3

A student performs an experiment using a toy car and a ramp. The student collects the data shown in the table below.

Ramp Height centimeters (cm)	Ramp Length (cm)	Trial 1: Distance (cm)	Trial 2: Distance (cm)	Trial 3: Distance (cm)
10	30	37	36	39
12	30	42	45	45
16	30	50	51	49
20	30	61	64	62

Identify the changed variable in this experiment.

Changed variable (independent variable) _____

Identify the measured variable in this experiment.

Measured variable (dependent variable) _____

Identify ONE controlled variable in this experiment.

Controlled variable _____