Identifying Variables and Designing Investigations

3 kinds of variables:
1 Independent variable- something that is changed by the scientist
   what is tested
   what is manipulated
2 Dependent variable- something that might be affected by the change in the independent variable
   what is observed
   what is measured
   the data collected during the investigation
3 Controlled variable- a variable that is not changed
   also called constants
   allow for a “fair test”

Students of different ages were given the same jigsaw puzzle to put together. They were timed to see how long it took to finish the puzzle.
Independent: Age
Dependent: time
Control: puzzle