	Name:	
	Date:	Period:
For each experiment below, specify the independent variable, deper constants.	ndent variab	ele, control group and any
1. A student wanted to test how the mass of a paper airplane affected the added before each test flight. As each paper clip was added, the plane we fly.	e distance it vas tested to d	would fly. Paper clips were letermine how far it would
Independent variable		
Dependent variable		
Control		
Constant		
2. Two groups of students were tested to compare their speed working the same problems. One group used calculators and the other group con	math problem	ns. Each group was given ut calculators.
Independent variable		
Dependent variable		
Control		
Constant		
3. Students of different ages were given the same puzzle to assemble. T	he puzzle ass	sembly time was measured.
Independent variable		
Dependent variable		
Constant		
There can be several controlled variables. If an experiment is to be be manipulated intentionally. All other variables must be controlle experiment. If more than one variable is altered (changed), the result interpreted with any validity.	d throughou	t all parts of the
4. An experiment was performed to determine how the amount of coffee coffee. The same kind of coffee, the same percolator, the same amount time, and the same electrical sources were used.	ee grounds co and type of v	ould affect the taste of water, the same perking
Independent variable		
Dependent variable		
Constants (3)		