Name:	Hour: Date:
IDEN	ITIFY THE VARIABLES & DESIGNING INVESTIGATIONS W.S.
1.	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.  a. Identify the variables in this investigation.
	i. Independent variable?
	ii. Dependent variable?
	iii. Controlled Variable(s)?
2.	An investigation was done with an electromagnetic system made from a battery and wire wrapped around a nail. Different sizes of nails were used. The number of paper clips the electromagnet could pick up was measured.
	a. Identify the variables in this investigation.
	i. Independent variable?
	ii. Dependent variable?
	iii. Controlled Variable(s)?
3.	The higher the temperature of water, the faster an egg will boil.  a. Identify the variables in this investigation.
	i. Independent variable?
	ii. Dependent variable?
	iii. Controlled Variable(s)?
4.	The temperature of water was measured at different depths of a pond.  a. Identify the variables in this investigation.
	i. Independent variable?
	ii. Dependent variable?
	iii. Controlled Variable(s)?
5.	The greater the amount of soap in a soap and water mixture, the bigger a soap bubble can be blown.
	a. Identify the variables.
	b. What exactly will be changed?
	c. How will it be changed?
	d. What exactly will be measured?
	e. How will it be measured?
6.	The farther a ball drops, the higher it will bounce.
	a. Identify the variables.
	b. What exactly will be changed?

c. How will it be changed?

e. How will it be measured?

d. What exactly will be measured?