Name:	Date:	Core:		
	The Scientific Method			
LT: I can describe the s	teps of the Scientific Method.			
Step 1:				
The question must be .	Testable / Untestable (circle one)			
Testable means that yo	ou can,,			
and	to answer the question.			
	ne key to a good research question is that it can be all preferences, then it is not testable.	e tested. If the ques	ition is based	
Read each research que	estion below. If it is testable, circle "YES". If it canno	ot be tested, circle ".	NO".	
1. Does the amoun	t of fertilizer affect how tall a flower grows?	YES	NO	
2. Are roses pretti	er flowers than tulips?	YES	NO	
3. How can we ma	ke cut flowers stay fresher for a longer time?	YES	NO	
4. Can daisies grov	v in different types of soil?	YES	NO	
5. Do daffodils smo	ell better than carnations?	YES	NO	
Step 2:				
Find information about	t your topic and determine your variables.			
A variable is				
There are 3 types of va	riables:			
1. IV or	This is the	factor that th	ne	
	 . This is the fact	or that can be		
or	as a result of changing the			
This is the facto	r we			
3. CV or	V or These factors are kept the			
during an exper	iment.			

1.	What amount of sunlight makes pea plants grow tallest?	
	IV:	
	DV:	
	CVs:	
2.	Which type of soda has more sugar?	
	IV:	
	DV:	
	CVs:	
3.	Is a ball's bounce affected by the height from which it is bounced?	
	IV:	
	DV:	
	CVs:	
Step :	3:	
A	is a	of the outcome of an
exper	iment based on	
-		
A hyp	othesis is usually written in the form:	
Pract	ice: Identify the IV, DV and write a hypothesis for the following questions.	
1.	What type of music quiets a crying baby faster: jazz, classical or rock?	
	IV: DV:	
	Hypothesis:	
2.	Is the number of eggs a chicken lays affected by the hours of daylight?	
	IV: DV:	
	Hypothesis:	
3.	Will a rubber band or string hold more weight without breaking?	
	IV: DV:	
	IV: DV:	
	IV: DV:	

Practice: Determine the IV and DV for each inquiry. Suggest at least 3 constant variables (CV) for each.

Your procedure should be	e that	could renea
the steps without your in		coura repea
Step 5:		
Use	to make observations.	
There are 2 types of obse		
1	These observations involve	•
2	These observations are	•
What did you learn?	your findings	
	your intuings.	
List the six steps of the Sc	cientific Method:	
1.		
2.		
3.		
4.		
4. 5.		