What is Science and Inquiry? Name:			
Projectores Write o		vou know about asionse. [	Tyon if it's just one
word.	lown everything that y	you know about science. E	even in it's just one
Answers will vary ba	ased upon students.		
Science is the	_investigation	andexploration_	of natural
events or the nat	tural world.		
Science provides	snew information_	that result	s from those
investigations.			
The three main b	oranches of science a	re _life science	,
•earth science_	, and	dphysical science	
	down qualities of a goo	od scientist	
Scientists seek to _เ	understand	how the world around	d them works.
Scientists ask _ques	stions, and	then perform <u>experimen</u>	tsor make
_observations	in order to	test theirhypothesis/cl	aim
•Inquiry	is a close exa	amination of a matter in sea	arch for information or
truth.			and
	r <b>y</b> is the way in which	a scientists <u>explore</u>	and
Scientific Inquir	ry is the way in which the natural w	•	and
Scientific Inquir _study	the natural w	•	
Scientific Inquirstudy	the natural w	vorld.	

Ic G N Te A	List some of the steps a scientist could use during the process of scientific inquiry: dentify problem/question dather information Make hypothesis est analyze Data Make conclusion Communicate results			
•	What must a scientific claim or hypothesis be? TESTABLE			
•	Observation:    Using one of more of your _senses			
•	Inference: A logicalinterpretationthat is based onevidence, _prior knowledge, orexperience			
•	<u>Data/Evidence</u> : facts, figures, and other info gathered through observation.			
•	<u>Variable</u> : _factors that can change in an experiement			
•	The _independent variable is the variable that is changed or tested in the experiment.			
•	The dependent variable is the variable that is studied or measured in the experiment.			
•	_Controlsare factors that are kept constant in an experiment.			
What are some ways you can record and present your evidence or data?				
Da	ata tables and graphs			
	eflect. Which quality of a good scientist do you embody the most? Why?			
	hich parts in the process of scientific inquiry do you use the most?  Vill vary			