·	A special way of		and	tha n	atural world
			anu	the fi	
<u>Types</u>	of Science				
•		– The	study of LIVIN	G things	
•		– The stu	dy of Matter *	Energy * Motion	n * Forces
•		– the study o	f outer space,	rocks & soil, and	weather
<u>FACT</u>	and OPNION				
• So	cientists all use a simila	ar method of		_ to discover fac	cts.
• _	help the	em develop logical ex	planations ab	out what happer	ns in the natural world.
• So	cientists only use	when they dra	w conclusions	NEVER OPINI	ON!
FACT:					
pinion:					
pinion:					
pinion:					_
pinion:					-
pinion:					_
	nvestigations				_
	nvestigations				_
pes of I		tigate the natural wo	rld is to iust		- and make notes that
pes of I		igate the natural wo	rld is to just		_ _ and make notes that
/pes of I bservati	on: One way to invest	tigate the natural wo	rld is to just		_ and make notes that
/pes of I bservati		tigate the natural wo	rld is to just		– and make notes that
/pes of I bservati	on: One way to invest	tigate the natural wo	rld is to just		_ and make notes that
<u>vpes of I</u> bservati	on: One way to invest				– and make notes that
<u>vpes of I</u> bservati	on : One way to invest what you see				– and make notes that
/pes of l bservati	on: One way to invest what you see sometimes	to help th	nem make obse	ervation	
/pes of l bservati	on : One way to invest what you see	to help th	nem make obse	ervation	
/pes of l bservati	on: One way to invest what you see sometimes	to help th	nem make obse	ervation	
/pes of l bservati	on: One way to invest what you see sometimes ection: Scientists use s	to help th special tools to	nem make obse	ervation what they se	
/pes of l bservati	on: One way to invest what you see sometimes ection: Scientists use s	to help th	nem make obse	ervation what they se	
/pes of I bservati	on: One way to invest what you see sometimes ection: Scientists use s	to help th special tools to	nem make obse	ervation what they se	

Field Investigation: When scientists go out into the world to collect data						
Example: observe squirrels making nests and collecting food						
Controlled Experiment: Special tests that are conducted in a laboratory						
Scientists usually make everything exactly the same and change thing.						
Scientists always write down what they see or the measurements they take.						
This is their to support the they reach						
They must write down exactly what they do so other scientists can						
They want to see if they get the						
Model: Something or built that something else						
 It can be as simple as a diagram or a small version of a big thing 						
A good model scientists relationships and						
Scientists use models to make and test them to see if they come true						
The more closely a model what it represents the better the predictions will be						
Theory: An explanation about						
A "it						
Must have lots of data collected from many observations and experiments						

Why Scientific Knowledge Changes			
As we collect more	_ and	_our ideas and conclu	sions
The more scientists	, the better they are	able to improve their _	
of what we see in the world.			
Diverse People Contribute to Science	<u>e</u>		
Men & women from	an	d	have contributed to the
development of science.			

Use pages 35-36 to complete the chart below:

SCIENTIST	BACKGROUND	CONTRIBUTION TO SCIENCE

