N	a	m	0.

Notes"
9/12-9/17

Prologue, Observation, Inference and Graphing
1. An observation is made through the Senses.
3 Examples of an observation are: a. The fossil was buried deep b. The fossil is buried 48 cm deep (use on instrument c. It and outside for more accuracy)
2. An inference is an interpretation or prediction of/from your observations.
Examples of an observation followed by an inference: a. the rock is scratched; the rock was scratched by a glacier b. the boy is wearing red; the boy must like the color red c. a pebble has rounded edges; the pebble must have been under water for a long time below, make an observation followed by an inference in the form of a prediction: d. The Clouds re dark; it will rain soon
3. Graphing-there are types of graphs you need to know deren dut types of graphs you need to know.
a. direct- as one value goes up, so does the other.
As time(x) god on, Corbon y or dioxide level 1. (y)
> independent
b. inverse/indirect- as one value increases, the other decreases
as altitude (X) 9, Presure 1(4)
- as artitude (y) 7, temporature L(y)
c. cyclic- a repeating pattern a pattern in the data that makes values Very predictable ex. Tidal Height (4) and time(x) d. static/equilibrium- as one value increases, the other stays the same
- Equilibrim is in a state of balone
ex: Level of a lake over time (x)

4. Rate of change- some changes in nature occur very quickly,	and others occur very slowly. Formula for rate of
change (ESRT pg. 1):	Temp, Presure, distance, en.
Patrot - DVAlue	
Charge = DVAIVE	
*The field value is whatever else is being measured that is NO	the nearly 100th 1
Practice Problems:	the nearly 100th 1
1. A student observed weather conditions for a period of 1 wee 78 F and the lowest daytime temperature is 65 F. What was the	mote of temporature change exerthe 1 xxxxxx2
DTEMP - 78° - 65	1.86 day _ Units!
Stemp - 78° - 65° = = = = = = = = = = = = = = = = = = =	1.86 / day = Units!
7	Comparing Road Trips
2. Which graph represents the greatest rate of change (for	Pennington Pennington
road trips), Pennington or Williams?	Williams Williams
Residence in	160
240 miles = 88.89 miles	180 Williams 160 120 120 100
2.7 hrs = 80.89 milhor Inotice that	2 100
be sometion has a	60
pennington has a steppe on steppe on megraph	20
Villiana (: 240 miles la)	0.5 1 1.5 2 2.5 3 3.5 4 X Time (hours)
Villians: 240 miles = 60 milho (laent	te slove on sapa)
	in a way the heath coeffine longer and amollon area
3. The apparent size of the moon as seen from Earth varies with time. What graph would depict this kind of change most accura	
The covert	Moon
	obit obit
5 Start	
Start view here	J turned
1: 3	

time