Name	Date	Period
Turno		
Unit 1 Study Guide		
·		
1. What is an independent va	ıriable?	
2. What is a dependent varia	ble?	
3. What happens to the hypo	thesis in the last step of the scienti	fic method?
4. What is a hypothesis?		
5. What is a control?		
6. What do the following instr	uments measure?	
a. Triple beam balance		
b. Graduated cylinder		
c. c. Thermometer		
d. d.Ruler		
7. What is scientific notation?		
8. Convert the following units	:	
a. 20 ml=L		
b. 59 meters=		
9. Write the following measur	ements in scientific notation:	
a. 1,200,000 m=		
b. 639,000 L=		
c. 2,000,300,000 mm=		
d000000523 cL=		
e. 153 Kg=		
10. Write the following in num	nericai terms:	
a. 2.32 X 10 7 m =		
b. 6.29 X 10 5 Kg=		
c. 9.9 X 10 -5 L=		
11. What is accuracy?		
12. What is precision?	is 4.5 grams/ml and I massure it 4	I times and get 2 grams/ml 20
	is 4.5 grams/ml and I measure it 4	
14. When drawing a graph w	0.05 grams/ml have I been accurat	e, precise, both or heither?
15. What must come after all	•	
16. Why is the metric system		
10. VVIII IS UID IIIDUID SYSIDIII	u30u III 30151105:	

- 17. What is a theory?
- 18. What is a law?
- 19. What is the difference between earth and environmental science?
- 20. Give three examples of quantitative data.
- 21. Give three examples of qualitative data.