	Name
	Measurement & Laboratory Safety (p. 11 – 14)
<u>I. Mea</u>	<u>surement</u>
	1. Define the term measurement.
	Measurement - comparison between an unknown quantity and a standard
II. Co	mparing Results
	1. Results of experiments are often reported with uncertainty.
	Circle One: True False # 3 Weather Guerantee
	2. What is the name of the range of statistical uncertainty? (Not in the book.)
	Standard Deviation
	3. Why is important for an overlap of uncertainty to be present in data?
(P.12)	To show agreement (Reliable + validable)
III. Pr	ecision Versus Accuracy
	1. Define the term precision.
	Precision - degree of exactness of a measurement (more numbers = more precise) a (stopuntch)
	2. What determines the precision of a measurement?
	Instrument + technique used to make the measurement
	3. The precision of a measurement is the smallest division of the instrument.
(p.12)	<u>Circle One</u> : True False Firest division = Most precise
	4. How are significant digits and precision related?
Fantasy Bureball Tie Brahen	5. Define the term accuracy. 67.10 is not as precise as 67.100)
	Accuracy - how well the results of a measurement agree with the 'red' value
Transparen	competent experimenters

	Name
	6. What are two ways to determine accuracy of an instrument using two-point calibration?
(0.13)	1. Does instrument read zero when it should?
P	2. Does instrument give correct reading when measuring an accepted standard
<u>IV. T</u>	echniques Of Good Measurement
	1. Measurements need to made carefully to maximize the precision of the instrument.
1211	Circle One: True False Other inherent tons - Humidity
	2. Instruments such as graduate cylinders should be read from an angle.
Meniga	Circle One: True False Straight on Users
7	3. Define the term parallax.
(P-13)	Parallax - apparent shift in the position of an object when it is viewed from different angles
Spring V. La	aboratory Safety (To be covered in class.)
)	1. Prevent Accidents
	1. Why should long hair be tied back during an investigation?
200	To avoid accidentally catching on fire.
Jatety)	2. Why should sandals not be worn during in the lab?
Symbols)	In case glass is broken something spills
6.918	3. Why should a student NEVER eat or drink anything in the lab?
	Don't really know what it is the
	4. What are the consequences of improper behavior in the lab?
	Loss of Cabs Damage Trjury
	2. Laboratory Work
	1. Why is important for only one person to collect lab materials for their group?
)	To increase efficiency.
	2. Why should test tubes be slanted away from yourself when being heated?
	Pressure could increase + burn
	(Kevin + radiator)

3. Do you like having two eyes? (Why should goggles be worn in the lab?)
Yes - (Unconfortable but protective)
4. Why should a student respect lab equipment (not steal, misuse, or break)?
Labs are priveledges not rights
5. Why is an appropriate speaking level essential for performing lab investigations?
Pet preve (Loss of labs)
3. Laboratory Clean-Up
1. When completing a lab, it is necessary to clean and return all equipment.
Circle One: False
2. What should be done with used chemicals or broken glass in the lab?
Ask techer for proper disposal.
3. What should the science lab look like when you leave after an investigation?
The same as when we entered.
4. Why is it important to wash your hands after most lab investigations?
Avoid contemination + sickness.
4. Emergencies
1. What should a student do in case of ANY emergency in the lab?
Report the emergency to the feather.
2. Who is the only person that should come into direct contact with blood?
The person that is bleeding. (No one else!)

Name ___