	: Period:	Foundations Earth Science
	Review: Foundations	
	ons: Carefully read over the checklist of items that you need to know for the "Eas" test. Be sure to attend extra help if you have any questions.	arth Science Foun-
OBSE	RVATION AND INFERENCE:	
	Terms to Know: qualitative, quantitative, prediction Classification systems are based on observations and help organize observatio Inferences are an interpretation bases on an observation Observations are recorded observations using the five senses The 5 senses: sight, smell, hearing, taste, and touch	ons
MEAS	UREMENT	
	Terms to Know: length, mass, volume, displacement, temperature, air pressure Measuring Instruments: electric balance, ruler, graduated cylinder Be able to calculate volume using $V = I \times w \times h$ Be able to measure volume using displacement Be able to convert between different prefixes of the metric system King · Henry · Died · Unexpectedly · Drinking · Chocolate · Milk Kilo · Hecto · Deca · Unit · Deci · Centi · Milli Be able to expand scientific notation [example: $2.3 \times 10^6 = 2,300,000$] Be able to write large numbers in scientific notation [example: $1,200,000,000$	

DENSITY

Terms to Know: mass, volume, density
Earth Science Reference Tables: Equations [Density]
Know how to calculate Density with the proper units
All substance are the densest in the solid phase except water
Solid water [ice] floats in liquid water so it is less dense
Density remains the same for a material unless heat or pressure is changed
If temperate increases then density will decrease
If pressure increases then density will increase

GRAPHING ANALYSIS

Terms to Know: extrapolate, dependent variable, independent variable
Recognize a graph of a "direct relationship" and provide example[s]
Recognize a graph of an "inverse relationship" and provide example[s]
Recognize a graph of a "cyclic change" and and provide example[s]
Earth Science Reference Tables: Equations [Rate of Change]
Know how to calculate Rate of Change with the proper units
Graphs reveal patterns can be used to extrapolate data to help predict future event

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