1	Name: Date: Chapter 1 Guided Reader- Honors Chemistry ections: Please answer the questions to the guided reading activity as you read chapter 1 of your	
	Guided Reader- Honors Chemistry	
Directions: Please answer the questions to the guided reading activity as you read chapter 1 of your		
	tbook. A word of advice: write page numbers by your answers so you can reference them later.	
	is the study of the properties of materials and the changes that materials	
••	undergo.	
2	Anything with mass and volume is	
	What is a property?	
٥.	what is a property:	
1	What are the building blocks of matter?	
	What are the building blocks of matter?	
	When two or more atoms join together, they form a	
6.	What are the two realms studied in chemistry?	
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7.	What are the two principal ways of classifying matter?	
	What are the three states of matter?	
9.	have definite shape and volume.	
10.	have indefinite shape and definite volume.	
11.	have indefinite shape and volume.	
12.	Only are significantly compressible.	
13.	Substances are either or	
14.	What is the difference between elements and compounds?	
15.	What are mixtures?	
16.	Chemical abbreviations are known as chemical and are arranged on the	
	 :	
	List two diatomic molecules.	
18.	What is the law of definite proportions?	
19.	Most matter we encounter consists of What is the difference between heterogeneous and homogeneous mixtures?	
20.	What is the difference between heterogeneous and homogeneous mixtures?	
21.	What is another name for homogeneous mixtures?	
22.	Is aspirin a mixture or a substance?	
23.	can be measured without changing the identity and composition of the substance.	
	the substance.	
24.	describe how a substance reacts.	
25.	describe how a substance reacts. What is the difference between intensive and extensive properties?	
_0.		
26.	are changes to appearance but not to composition.	
27.	are changes to the composition.	
28	are changes to appearance but not to composition. are changes to the composition. Boiling and melting are examples of changes.	
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29.	depends on the components of a mixture to form gases.
30.	means writing of colors.
31.	means writing of colors. A tentative explanation is known as a
32.	is a concise verbal statement or a mathematical equation that
	summarizes a broad variety of observation and experiences.
33.	What is the SI unit for mass?
34.	What is the SI unit for time?
35.	Which is larger a kilometer or a centimeter?
36.	What is larger a gigaliter or a picoliter?
37.	What are the three temperature scales?
38.	Which temperature scale contains absolute zero?
	Write the formula for converting from Celsius to Fahrenheit.
	What is the SI unit for volume? Write the formula for density.
43.	Counting numbers are exact/inexact numbers. CIRCLE 1 always exists in measured quantities. What is the difference between precision and accuracy?
45.	All nonzero digits are Zeros nonzero digits are significant.
46.	Zerosnonzero digits are significant.
47.	Zeros at the beginning of a number are
48.	Zeros at the end of a number are only significant if the number has a
	Your answer to a multiplication or division problem should be rounded to the same number of as the measurement with the fewest sig figs. Your answer to addition and subtraction problems should be rounded to the same number of
50.	Your answer to addition and subtraction problems should be rounded to the same number of
	as that of the measurement with the fewest decimal places.
51.	A method of problem solving that focuses on units is
	What is a conversion factor?
	In volume conversions that use length conversion factors, the numbers and units in the length conversion factors are Conversion factors are exact/inexact numbers. CIRCLE 1