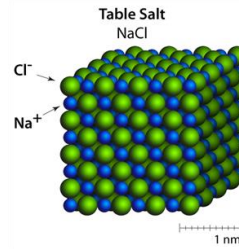


TYPES OF MATTER



Name _____

Period _____

Date _____

Read the second section in the CK-12 online textbook called "Types of Matter" and answer the following questions.

<http://www.ck12.org/book/CK-12-Physical-Science-For-Middle-School/section/3.2/>

1. Is all <u>matter pure</u> ? Explain your answer!	
2. Define <u>ELEMENT</u> .	
3. How many <u>elements</u> occur in <u>nature</u> ?	
4. How many TOTAL <u>elements</u> are on the periodic table?	
5. How many <u>elements</u> are <u>man-made</u> ?	
6. Name the <u>element</u> that is described below:	
a. The lightest element and most common element in the universe	
b. The most common element in the earth's crust	
c. A metallic, hard element that is magnetic and will rust in the presence of oxygen	
d. A gas that glows when electricity flows through it	
e. a gas that is heavier than Hydrogen but lighter than air	
f. the element that is found in every living thing; combines easily with other elements	
7. Define <u>atom</u> .	
8. How are <u>atoms</u> different than <u>elements</u> ?	
9. Define <u>compound</u> .	
10. Give 3 examples of a <u>compound</u> .	
11. How are <u>compounds</u> different than <u>elements</u> ?	

12. Define <u>molecule</u> .	
13. Describe a <u>water molecule</u> .	
14. Draw a water molecule <u>and label</u> the parts. -----	-----
15. What two elements are found in <u>salt</u> ?	
16. Define <u>crystal</u> .	
17. What <u>shape</u> is a <u>salt crystal</u> (NaCl)?	
18. Define <u>mixture</u> .	
19. How are <u>mixtures</u> different than <u>compounds</u> ?	
20. Name 4 examples of <u>mixtures</u> .	
21. What is a <u>homogeneous mixture</u> ?	
22. What is a <u>heterogeneous mixture</u> ?	
23. Explain why <u>salt water</u> is considered a <u>homogenous mixture</u> and <u>trail mix</u> is considered a <u>heterogeneous mixture</u> .	

24. Fill out the chart below:

	<u>Give the definition</u>	<u>Give two examples</u>	<u>Give two other facts</u>
<u>Solution</u>			
<u>Suspension</u>			
<u>Colloid</u>			

