

WEEK						
2						
	NAME:	DATE:				
	DIRECTIONS Read the text and then answer the questions.					
SCORE						
	• Atoms are very small. But they are made of	parts that are even smaller. Most of				
1. YN	 Atoms are very small. But they are made of parts that are even smaller. Most of the inside of an atom is empty space. But each atom has a center called a <i>nucleus</i> (NOO-klee-uhs). The nucleus is made of protons and neutrons. Atoms also have electrons that circle the nucleus. Everything in the universe is made of atoms. So, if a piece of wood 					
	and a rock are both made of atoms, why do the	ey look different? There are many different				
2. YN	kinds of atoms, and each kind has a different number of protons, neutrons, and electrons. Here is an example. Each atom of oxygen has eight protons, eight neutrons, and eight electrons. Helium is a little different. Each atom of helium has two protons, two electrons,					
2 ON	and one or two neutrons. Wood and rocks are look different.	•				
3. ƳN						
4. ƳN	What is this text mostly about?	4. What is a <i>nucleus</i> ?				
	(A) neutrons	(A) the center of a atom				
5. YN	B protons	made of electrons				
	© atoms	© bigger than an atom				
- 1	D oxygen	D made of wood				
/ 5 Total	2. Why do wood and rocks look different from each other?	5. How does the reader know the language is informative in this text?				
- 1	A They are not made of atoms.	A The author is serious.				
- 1	B They are made of different kinds	B The author makes jokes.				
	of atoms.	C The author includes only facts.				
	Wood is made of atoms. Rocks are not.	D The author writes a letter.				
	D Rocks are made of atoms. Wood is not.					
	3. Which word has the root word <i>atom</i> ?					
	A Tom					
	B atomic					
	© tomb					
	D atrocious					
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				EK 36 Day		
NAMI	E:	DA [.]	TE:	3		
DI	RECTIONS Read the text and then	answert	he questions.			
				<u>SCORE</u>		
sever For e	Everything, no matter what it looks like, is made of matter. Matter can exist in one of several <i>phases</i> , or states. Some matter exists as a solid. Solid matter holds its shape. For example, a chair is made of solid matter. In solid matter, the atoms are very tightly connected and do not move around much, so solid matter holds its shape. Liquid matter is					
are no conta of ma	e different. Water and juice are examples o ot as tightly connected so they move more iner. That is why the shape of water chang atter. Oxygen is a gas, and so is helium. G	. The sh ges whe ases do	ape of liquid matter depends on its n you pour it. Gas is another state not hold their shape because the	2. YN		
atoms	s in gases are very loosely connected. So	gases e	xpand to fill their containers.	3. YN		
1.	Which phase of matter holds its shape?	4.	Which is the antonym of <i>loosely</i> ?	4. YN		
A	water	(A)	solid			
В	gas	B	tightly	5. YN		
©	liquid	(c)	easily			
	solid	D	slowly			
2.	Which phase of matter has atoms that are very loosely connected?	5.	Which phrase indicates a sample of something?	/ 5 Total		
(A)	solid	(A)	that is why			
(B)	gas	B	for example			
() ()	a chair	(C)	no matter what it looks like			
D	liquid	D	is a little different			
3.	Which is not a phase of matter?					
A	atom					
В	liquid					
C	solid					
D	gas					

NAME:

WEEK **36**

DATE:

WHAT'S THE MATTER?

Everything in the universe is made of matter. Matter cannot be created or destroyed, but it can change its form. Some changes in matter are physical changes. That means that matter changes its shape or appearance, but it is still the same kind of matter. It doesn't become a different kind of matter. For example, imagine that you take a piece of ice out of the freezer and put it into a cup. What happens to the ice if you leave it out of the freezer? It melts and turns into liquid water. It is still the same matter, but it has changed from a solid into a liquid. When you warm up the ice, you are not destroying it; you are just changing its form. And if you put that water back in the freezer, it will freeze again and change its form from a liquid to a solid.



Now, imagine that you put water into a pan and put it on a stove. If you heat the water long enough, what happens to it? Have you ever seen steam rising from boiling water? That steam is actually water that has turned into a gas and evaporated. The water you put on the stove has not been destroyed. It has just changed its form from a liquid to a gas. If you put a cover on the pan for a short while and then take the cover off, you'll see drops of water on the cover. Those drops of water are gas that has changed back into liquid water.

Other kinds of changes in matter are chemical changes. Chemical changes are different from physical changes. In chemical changes, matter doesn't just change its form. It becomes something different. For instance, let's say that you bake cookies. To make cookies, you use eggs, flour, sugar and other things. Then, you mix everything up and bake your cookies. You have not destroyed the things you used for your cookies. Those things are in the cookies. But you have changed the flour, eggs and other things into something different. Your cookies do not look like flour or eggs. And you cannot turn cookies back into flour and eggs. You cannot create or destroy matter, but you can make it change its form.

				EK 36 Day
NAM	E:	DA	TE:	4
DI	RECTIONS Read "What's the Matte	er?" and t	then answer the questions.	
1.	Which is a topic sentence?	5.	What does the author want the reader to learn?	<u>SCORE</u>
A	What happens to the ice if you leave it out of the freezer?	A	how to drink a lot of ice water	1. YN
В	Other kinds of changes in matter are chemical changes.	B C	how to bake a lot of cookies the difference between physical and	2. YN
©	It has just changed its form from a liquid to a gas.	D	chemical changes how to write a book of recipes	2 0 0
Ф	Your cookies do not look like flour or eggs.	6.	What is baking a pie an example of?	3. YN
2.	Which is true about physical changes?	A B	something freezing matter that does not change	4. YN
A	They do not happen to matter.	() ()	a chemical change	5. YN
В	They do not change the shape of matter.	D	a physical change	
C	They do not happen to solids.	7.	What is the main topic of this text?	6. YN
D	They do not change one kind of matter into another kind.	A B	changes in matter solids and liquids	
3.	Which question reflects a purpose for reading this text?	。 ()	water	7. ƳN
A	Is this about someone making a mistake?	D	chemicals	8. YN
В	low does this explain matter?	8.	Which summary of the text is the most accurate?	
\odot	Is this about someone's problem?	A	This text explains about matter changing in different ways.	/ 8
D	How does this explain dangerous chemical reactions?	В	This text describes how ice melts in our oceans.	Total
4.	What does this text compare?	C	This text gives a recipe for baking things.	
(A) (B)	matter and atoms ice and water	D	This text describes the life of a famous chemist.	
\odot	flour and eggs			
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WEEK		
5	NAME:DATE:	
SCORE	DIRECTIONS Reread the text "What's the Matter?" Then, read the prompt and respond on the lines below.	
/ 4	Can you think of other examples of physical and chemical changes in matter? Give two examples of physical changes and two examples of chemical changes.	

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