Ma	tter Study Guide	Name:	Ma	atter Study Guide Name:
1.	will use 40g of sugar,	ice cream for her class. She 350g of milk and 20g of vanilla. ht of the ice cream after it is ork!)	1.	Mrs. Shafer is making ice cream for her class. She will use 40g of sugar, 350g of milk and 20g of vanilla. What will be the weight of the ice cream after it is frozen? (Show your work!)
2.	mass of the cup was with some water and The total mass was 27	e mass of an empty cup. The 200 grams. She filled the cup measured the mass again. 75 grams. Christy put the cup freezer. After the water froze, f the cup?	2.	Christy measured the mass of an empty cup. The mass of the cup was 200 grams. She filled the cup with some water and measured the mass again. The total mass was 275 grams. Christy put the cup with the water in the freezer. After the water froze, what was the mass of the cup?
3.		d then evaporates. The ice apor have the same	3.	An ice cube melts and then evaporates. The ice cube and the water vapor have the same
4.	4 equal pieces. When	25 grams. The cake is cut into weighing the four equal twould be the mass of the	4.	The mass of a cake is 25 grams. The cake is cut into 4 equal pieces. When weighing the four equal pieces together, what would be the mass of the cake?
5.		nples that would show a new ned (chemical change).	5.	Write down two examples that would show a new substance being formed (chemical change).
6.	What are two ways yo change has taken plo	ou can know a chemical ace?	6.	What are two ways you can know a chemical change has taken place?
7.		digesting food is an example of Why is this an example? (Give	7.	Acid in the stomach digesting food is an example of a chemical change. Why is this an example? (Give at least two reasons.)
8.	Rust is an example of is rust classified as th		8.	Rust is an example of a change. Why is rust classified as this type of change?
9.	When a substance ch	nanges from a solid to a liquid, is taken place.	9.	When a substance changes from a solid to a liquid, has taken place.
10.	Give two real life exar matter.	mples of a change in state of	10.	Give two real life examples of a change in state of matter.
11.	Give two examples of	a physical change.	11.	Give two examples of a physical change.
12.	How can you change solid?	melted chocolate back into a	12.	How can you change melted chocolate back into a solid?

Matter Study Guide	Name:	#:		
1. Mrs. Shafer is making ice crean 20 g of vanilla. What will be the v <mark>410 GRAMS</mark>				
2 . Christy measured the mass of with some water and measured tl the water in the freezer. After t	he mass again. The tot	al mass was 275 gr	rams. Christy put the cup wit	
275 GRAMS 3. An ice cube melts and then eva	aporates. The ice cube	and the water var	oor have the same _ <mark>MASS_</mark> .	
4. The mass of a cake is 25 grams pieces together, what would be t <mark>25 GRAMS</mark>		equal pieces. Whe	n weighing the four equal	
5. Write down two examples that BUBBLING, FIZZING,VINEGAR AN (SMELL), ACID, REACT, COOKING	ND BAKING SODA, BUR	NING WOOD, RUST	T,ASHES, AND SMOKE, ODOR	
6. What are two ways you can kno NEW COLOR, DIFFERENT SMELL BURNING, COOKING, FIZZING, BU	, LIGHT AND HEAT ARI	E PRODUCED, A NE		
7 . Acid in the stomach digesting f least two reasons) THE FOOD IS CHANGED TO A NE	·	chemical change, ı	why is this an example? (Give a	at
ACID IS INVOLVED IN BREAKING	DOWN THE FOOD			
8. Rust is an example of aCH BECAUSE THE MOLECULES ARE THERE TO BEGIN WITH.	EMICAL change. W BREAKING DOWN ANI	hy is rust classified D FORMING A NEW	d as this type of change? SUBSTANCE WHICH WAS NO	TC
9. When a substance changes fro	om a solid to a liquid, <mark>M</mark>	ELTING OR PHYSIC	CAL CHANGE has taken place) .
10. Give two real life examples of a LIQUID WATER CHANGES TO FRE BOILING WATER CHANGES TO STATER VAILER OF MELTING IN THE SUN	EEZING WATER TEAM APOR			
WATER EVARORATES ON EARTH	AND CHANGES TO A	CAS THEN COOLS	AND COLLECTS IN THE	

WATER EVAPORATES ON EARTH AND CHANGES TO A GAS, THEN COOLS AND COLLECTS IN THE CLOUDS (CONDENSATION), AND COMES BACK DOWN AS RAIN (LIQUID)

11. Give two examples of a physical change.

PAPER BEING RIPPED SMASHING A PLASTIC CUP CUTTING A CAKE TORN

PIECE OF FABRIC POPPING A BALLOON HAIR CUT BREAKING A

BRICK BREAKING A PLATE BREAKING A BONE

FREEZING WATER

12. How can you change melted chocolate back to a solid? PUT IT IN THE FREEZER OR REFRIGERATOR