Name	3		Date	Period
(Got Milk Curds?		·
water. acid, w body's	e: The purpose of this lab is to determin To do this, the protein in milk will be <i>de</i> will change the protein from a complicated enzymes to break it apart more easily in th; it does not actually digest food.	<i>natured</i> with concentro I globular structure to	ated acetic acid. The ac simple straight chains	cid, simulating stomach that will allow your
<u>Safet</u> y	<u>/</u> !			
Proced	lure:			# · · · · · · · · · · · · · · · · · · ·
Part 1	– Separate protein from milk			
2. 3. 4. 5.	Find mass of 50 mL beaker. Fill beaker with about 10 mL nonfat mill Add about 20 drops concentrated acetic observations. Record mass of filter paper and fold into Pour mixture into filter paper as shown remove acid and carbohydrates from cutaining is a critical step-over-rinsing Clean and dry beaker, clean lab station. Record mass of dry filter paper and dried.	c acid to beaker. Swirl to quarters. Write W in class. Rinse gently a rds. Leave to drain and is impossiblell!	name onit in and well several times well dry overnight.	penul
Part 2	- Determine percentage of milk that is w	rater -Collect data fro	m demonstration – do	ne by teacher.
2.	Record mass of clean watch glass. Record mass of milk added to watch gla Record mass of dried milk and watch gla		eated.	

Data Tables

Curd data

F 0 20

Watch glass data - Provided by teacher

Mass of watch glass (g)	
Mass of watch glass + milk (g)	
Mass of watch glass + dried milk (g)	
Mass of water in milk (g)	

After data collection:
use directions on back
of lab to complete
a separate CER purple
lab sheet with your
lab partner "

Question: carbonydrate, protein, and water? * include units on every number! Procedure avestions Evidence: What would the consequence of each of the following be on your lab results (higher or lower values?) Be D write formula for determining percentage of milk that is protein. specific .: 1) Don't ninse curds enough. 2) Showing all work, determine the percentage of milk that is 2) wash small beaker w/ curd residue. 3) Forget to weigh filter papere. protein. 4) Rinse aurds through funnel. 3) Write formula and steps for determining the percentage of milk that is water. 5) Don't dry curds completely. 6) Don't react milk completely with acetic acid. 4) Showing all work, determine the percentage of milk that is water. mmarey Questions 5) assuming milk is only water, Ownich monomers make up the carbolydrates in milk? proferin, and carbohydrate, dotermine the percentage of milk that is carbohydrate. (2) which monomers make up the proteins in milk? 3 What are the functions of proteins and carbonydrates in your body? 6) How do your results compare to the average values given in 4) what do you think is the largest source for expor in this Lab? How would you improve it? your lab (#4). Be specific for each result. 5 How confident are you and your partner about your results? MMN.