



NAME: _____

WORKSHEET 3.1

"Go'in' 'Round & 'Round"

1. Name two things that can be recycled on a dairy farm:

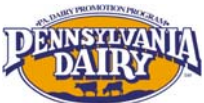
2. Name two things that cow waste or manure can be recycled into:

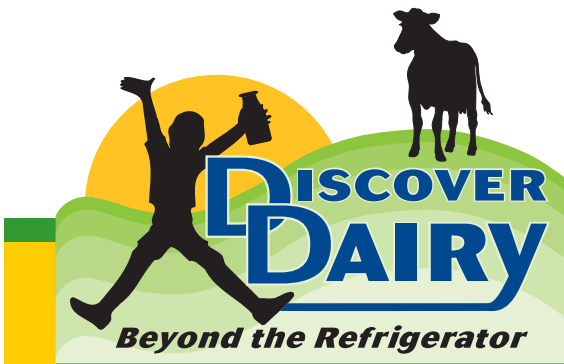
3. What government agency has outlined regulations for farmers to follow to protect the environment?

HIGHER LEARNING ACTIVITY: Use the graph below to record data from the additional classroom activity outlined in the lesson plan. Chart how many marbles each role player has left in their bag and label each axis accordingly.

LABEL Y AXIS:	COW																		
	FEED																		
	FIELD																		
	ELECTRICITY																		
	COMMUNITY																		
	BUSINESSES																		
	MANURE																		
	METHANE DIGESTER																		
	FOOD																		
	MILK																		
	US																		
	FARM																		

LABEL X AXIS: _____



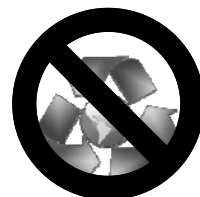


WORKSHEET 3.2

"Go'in' 'Round & 'Round"

Read each of the scenarios below and circle whether the situation involves recycling or not:

- ◆ A farmer stores the water he uses to wash his milking equipment in a tank and then uses it to wash down the alleys on which the cows stand.
- ◆ A farmer drains the water he uses to wash his milking equipment into a holding tank that is used to irrigate the crops.
- ◆ A farmer lets the water he uses to wash his equipment go down the drain. The drain empties into the manure storage pit and eventually is spread onto the field.



The nutrients in manure and water are two things recycled on a dairy farm. Circle which one fits the following descriptions.

1. It is used to produce electricity for the local community.
2. It is used to irrigate the crops in the field.
3. It is used to quickly cool the milk from the cows.
4. It is used to fertilize the crops in the field.

