

Name _____

Date _____

Methane Digester

Instructions: Watch the methane digester video and use the terms from the word bank to complete each statement.

Word Bank				
bacteria	manure	fertilizer	100°F	traps
1 gallon	3 weeks	methane	electricity	odor
	anaerobic		methane digester	

1. The waste of ruminant farm animals creates a gas called methane.
2. Another word for animal waste that is used for fertilizer is manure.
3. On average, hogs create more than 1 gallon of manure each day.
4. A methane digester captures methane from a manure pit and uses it as fuel to generate electricity or heat.
5. The digester is heated to about 100°F.
6. Bacteria break down the manure and release methane gas.
7. This process takes about 3 weeks.
8. The pit traps the methane in an oxygen-free environment.
9. The methane is used to produce electricity.
10. Methane digesters are also known as anaerobic digesters.
11. Livestock manure is used as fertilizer for crop agriculture.
12. Methane-free manure does not have an offensive odor.