

Wells Middle School



Presents...

T*E*A*P*O*T

Trash Energy Alternatively Powered Organic Truck



Methane Hybrid

- Uses trash fumes (methane) to serve as an alternative energy
- Hybrid technology
- This alternative energy is clean burning
- Methane is generated from wood products, textiles, food waste, yard waste, paper products

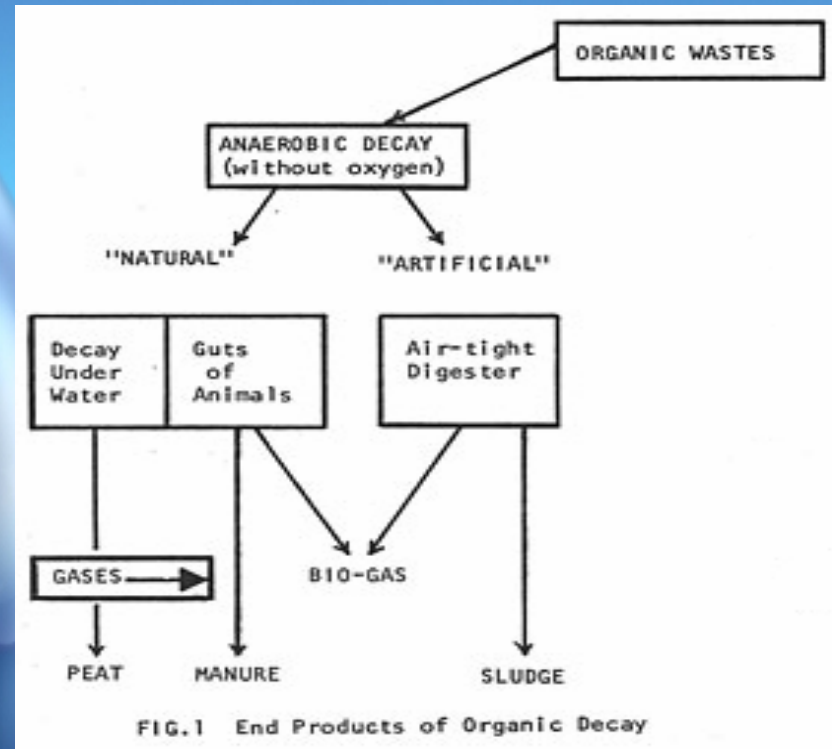
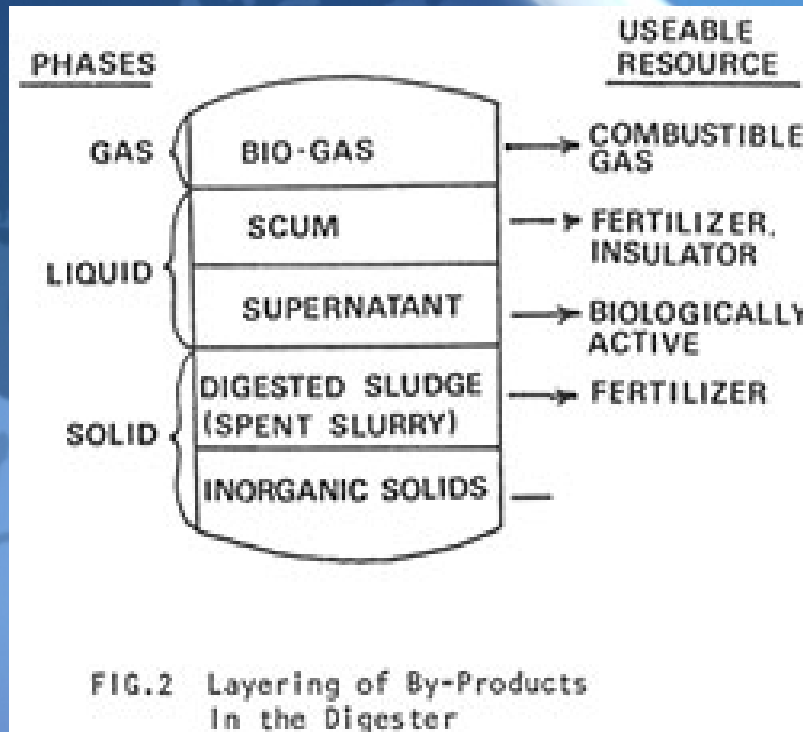


How It Works part 1

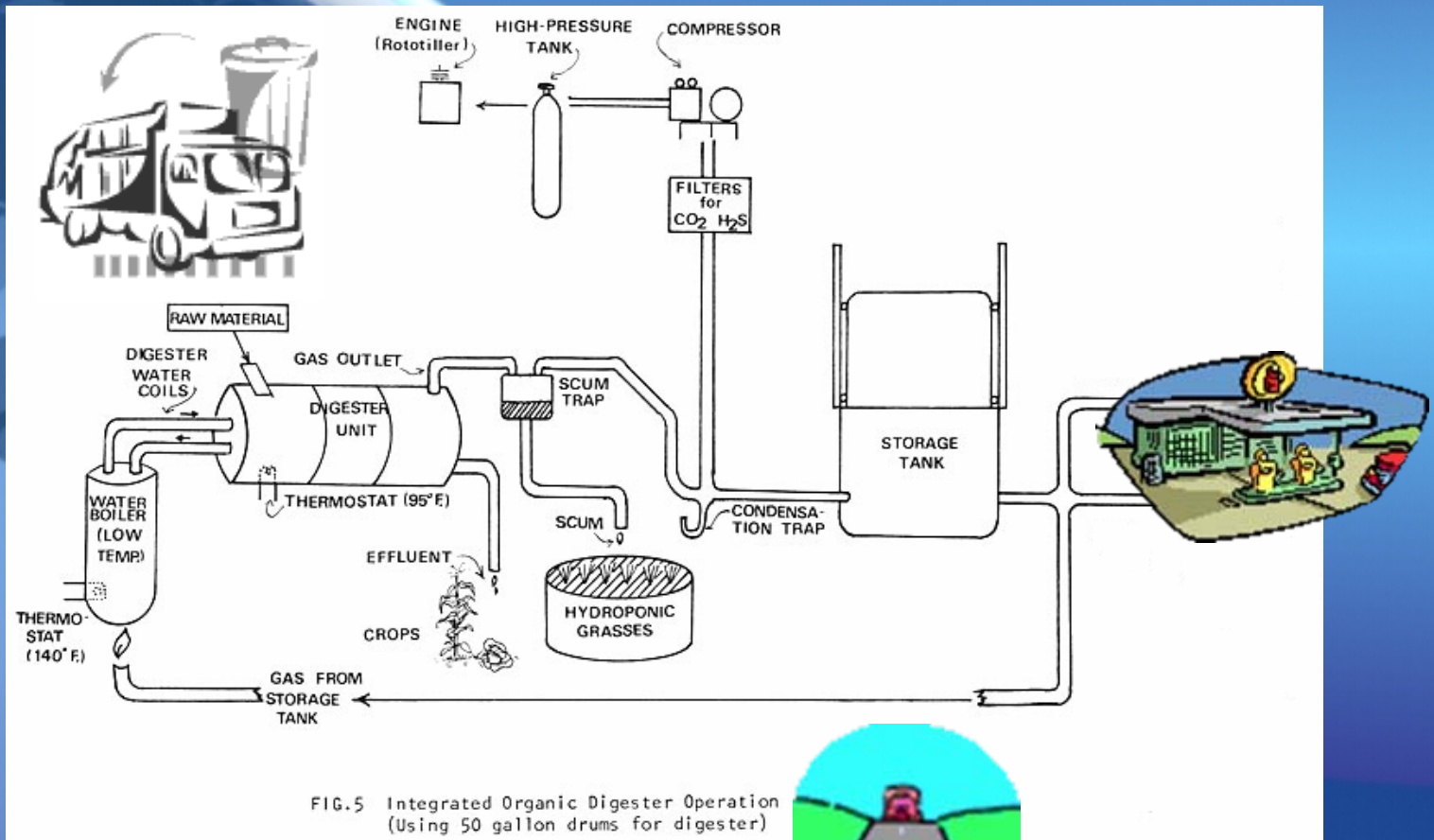
- The methane gas is collected when trash is gathered
- The air in the collection bin is vacuumed into a compressed tank and stored



How It Works part 2



Methane station

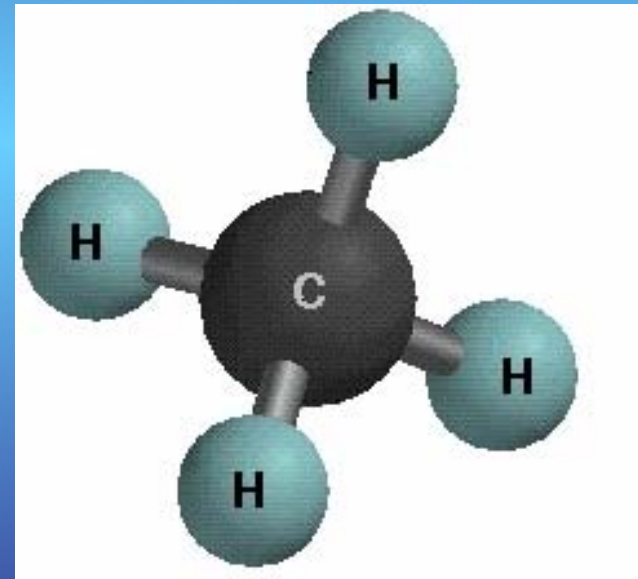


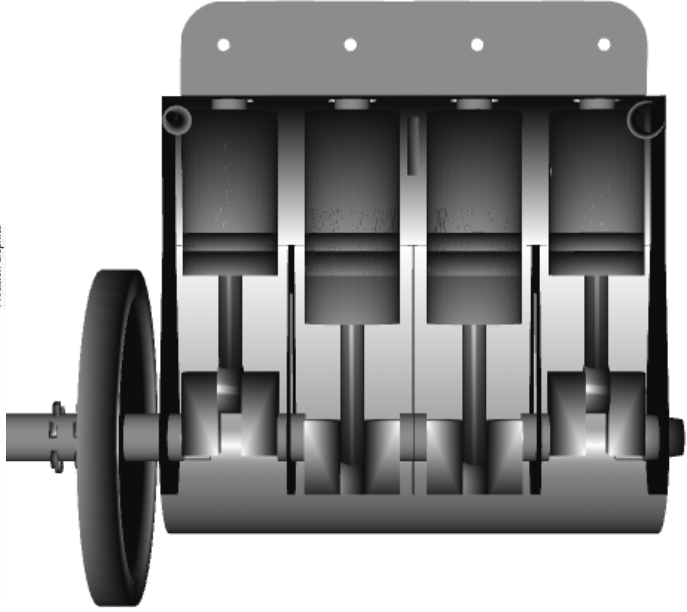
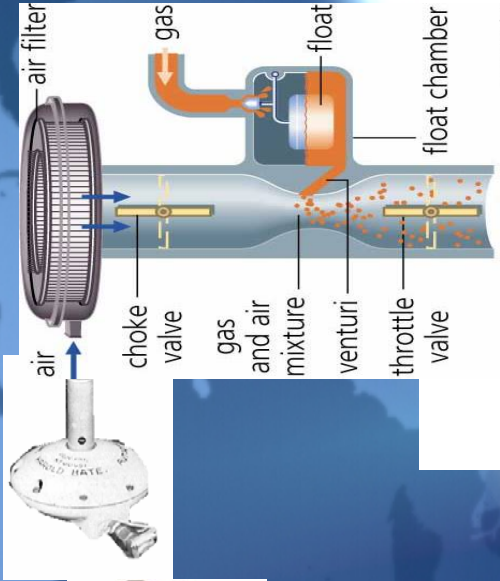


Methane



- Methane CH_4
- Cleanest burning energy
- Natural gas
- Protecting the environment
- Burned without oxygen most reliable energy





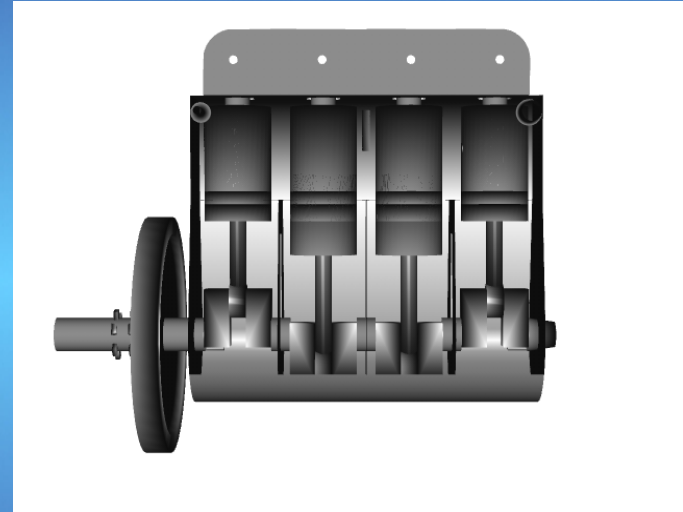
How It Works part 3

- Methane or gas fuel will then be injected into the engine
- Energy created powers the car
- Excess energy is stored in a battery



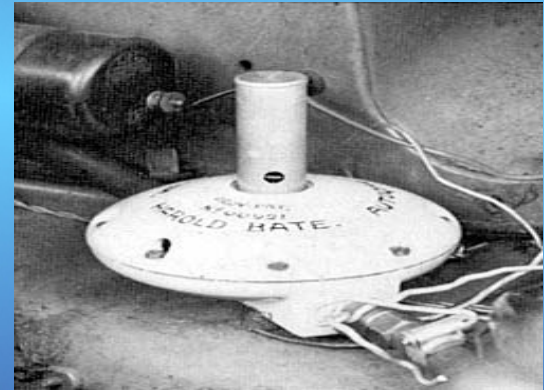
How It Works part 4

- 4 stroke engine
- Intake: Valve opens letting methane enter
- Power: Spark plug ignites the methane, producing power
- Exhaust: the valve opens letting clean burning remains out



Technology

- We know that technology exists to make this possible
- Bate Auto Gas Converter
- Portions the methane



Advantages

- Inhibits the release of two organic green house gases, methane and carbon dioxide into the atmosphere
- Reduces our demand for non-renewable resources
- This car wouldn't stink because it is put in vacuum tight storage tanks

The End

