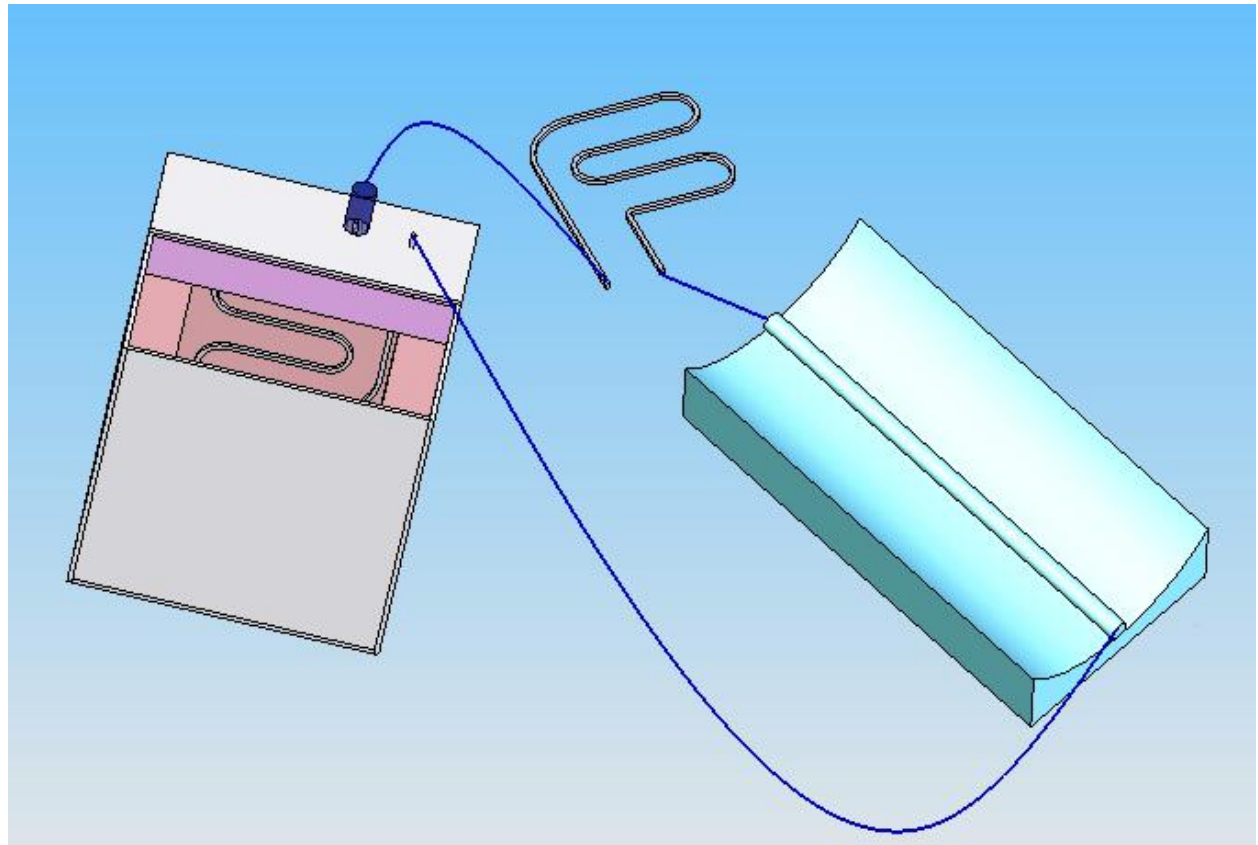


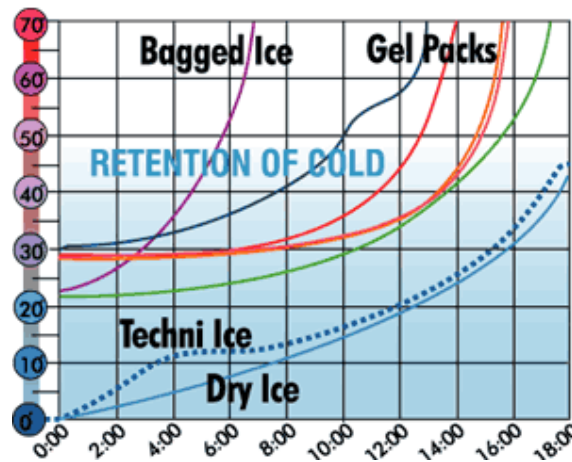
# **ABSORPTION COOLING**

## **OVERVIEW OF IDEA:**



# ABSORPTION

# COOLING



## TECHNICAL FEASIBILITY:

- $T_{\text{collector}} = 180\text{F}$ ,  $T_{\text{ammonia, min}} = -30\text{F}$
- $\text{COP} = .2$
- Power outputs: 200W from  $1\text{m}^2$  collector
- Target price: \$50 - \$100

# **ABSORPTION COOLING**

## **MARKET:**

- **Low income households (<\$2,000 per year)**  
**Tropics of Capricorn & Cancer**
  - **India**
  - **Pakistan**
  - **China**
  - **Latin America**
  - **Caribbean**
- **Competitors:**    **ISAAC - \$13,000**  
                              **Solar ice maker - \$510**

