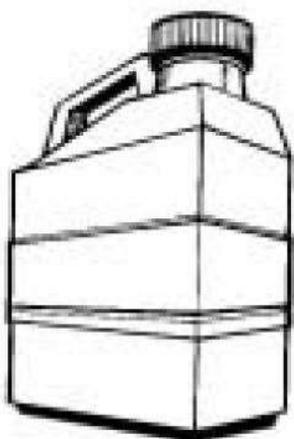


1. Organize the item cards into two groups. Things you would like to take and things you would leave behind.
2. List the items in order of most to least important. (1-15)
3. Fill out the chart with the things you would take and the things you would leave behind. (you can only take 5)
4. Explain why you are taking each item that you have chosen to take. Also explain your rationale for why you are leaving each of the other items.

## Magnetic Compass



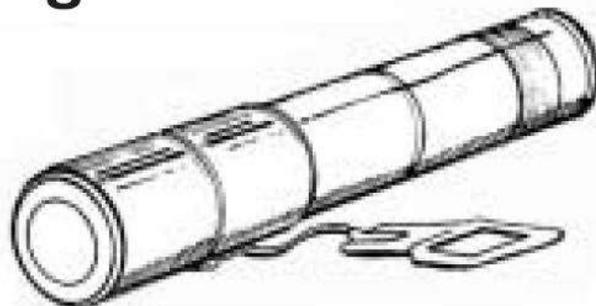
True North on Earth varies from magnetic North by as much as 23 degrees. How well could you navigate on the Moon with this?



## 5 Gallons of Water

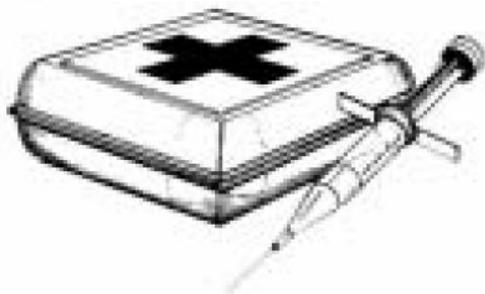
Water is essential to life and to reconstituting dehydrated food

## Self-Igniting Signal Flare



This flare could work underwater or in the vacuum of space.

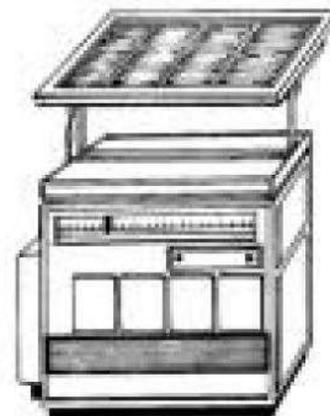
## First Aid Kit with Hypodermic Needles



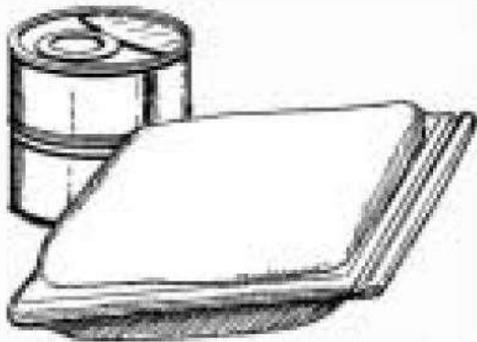
Hypodermic needles fit special openings in the standard issue space suit.

## Solar-Powered FM Transceiver

This radio transmitter and receiver requires only sunlight to function properly.

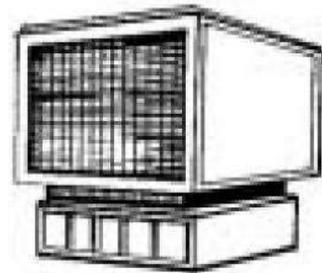


## Food Concentrate



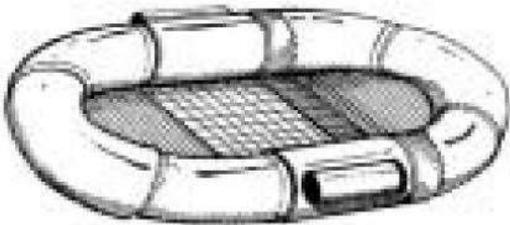
Astronaut food is notoriously bad, but light weight and compact. Just add water and that bowl of mush could taste like a pot roast.

## Portable Heating Unit



This unit is designed to work on its own batteries with no external power source.

## Self-inflating Life Raft that uses a Carbon Dioxide Canister



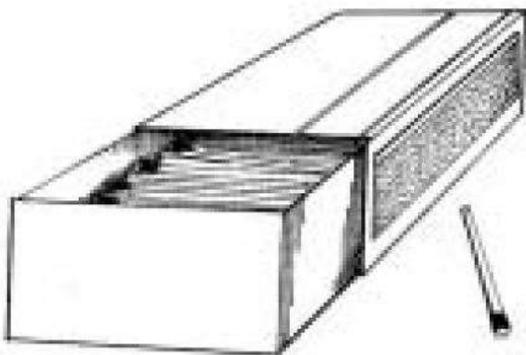
This raft is standard issue on shuttles that land on Earth, in case of an emergency water landing.

## Moon Constellation Map



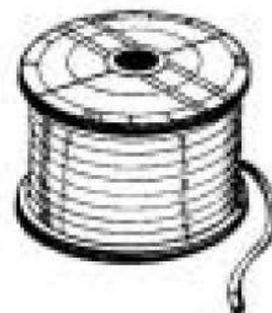
Navigating by the stars on the Moon would be very much the same as navigating by the stars on Earth.

## Box of Matches



These might be useful to make a signal fire or camp fire in case of a crash on Earth, but would they be useful on the Moon?

## 50 Feet of Nylon Rope



Nylon rope is tough and light weight.

## Two 100 Pound Tanks of Oxygen



These tanks would weigh 100 pounds on Earth, but in the Moon's lighter gravity, they would weigh less than 17 pounds each.

## Parachute Silk



Protection from the sun's rays

## 2 Pistols



Possible means of protection or self-propulsion

## Dehydrated Milk



Bulkier duplication of food concentrate