

## NASA Task

### Purpose of Exercise

- to exchange ideas openly and candidly
- to manage differences of opinions
- to reach conclusion that are supported, in some degree, by each member of the team

### Directions

Each person should complete the worksheet on their own.

After everyone is finished, the team should then produce a single sheet based on consensus. In other words EACH member of the team MUST agree to the ranking order of all 15 of the items.

*You are a space crew originally scheduled to rendezvous with a mother ship on the lighted surface of the moon. Due to mechanical difficulties, however, your ship was forced to land at a spot some 200 miles from the rendezvous point. During re-entry and landing much of the equipment was damaged and, since survival depends on reaching the mother ship, the most critical items available must be chosen for the 200 mile trip. Below are listed the 15 items left intact and undamaged after landing. Your task is to rank order them in terms of their importance in allowing your crew to reach the rendezvous point.*

Place the number "1" by the MOST important item, the number "2" by the SECOND most important, and so on through number "15", the LEAST important.

Rank	Item
	Box of matches
	Food concentrate (MRE's)
	50 feet of nylon rope
	Parachute silk
	Portable heating unit
	Two .45 caliber pistols
	One case dehydrated milk
	Two 100-pound tanks of oxygen
	Stellar map of the moon's constellation
	Self Inflated Life raft

	Magnetic compass
	5 gallons of water
	Signal flares
	First aid kit containing injection needles
	Solar powered FM receiver transmitter

### Scoring Key for NASA Moon Exercise

Listed below are the correct ranking for the "Lost on the Moon" items, along with the reasons for the rankings provided by the NASA space survival unit.

Rank	Item	Reason
15	Box of matches	Little or no use on the moon
4	Food concentrate (MRE's - Meals Ready to Eat)	Supply daily food required
6	50 feet of nylon rope	Useful in tying injured, help in climbing
8	Parachute silk	Shelter against sun's rays
13	Portable heating unit	Useful only if party landed on dark side
11	Two .45 caliber pistols	Self-propulsion devices could be made from them
12	One case dehydrated milk	Food, mixed with water for drinking
1	Two 100-pound tanks of oxygen	Fills respiration requirement
3	Stellar map of the moon's constellation	One of the principle means of finding directions
9	Self Inflated Life raft	CO bottles for self propulsion across chasm, etc.

14	Magnetic compass	Probably no magnetized poles so it is useless
2	5 gallons of water	Replenishes loss by sweating, etc.
10	Signal flares	Distress call within line of sight
7	First aid kit containing injection needles	Oral pills or injection medicine is valuable
5	Solar powered FM receiver transmitter	Distress signal transmitter, possible communication with mother ship