



Moon Landing

A Team Building Ice Breaker

You are a member of a space crew scheduled to rendezvous with a mother ship on the lighted surface of the moon. However, due to mechanical difficulties, your own ship was forced to land at a spot 200 miles from the rendezvous point.

During re-entry and landing, much of the equipment aboard was damaged and, since survival depends on reaching the mother ship, the most critical items available must be chosen for the 200-mile trip.

15 items are listed as being intact and undamaged after landing. Your task is to rank them in terms of their importance for your crew, to allow them to reach the rendezvous point.

INSTRUCTIONS

Using the “moon landing ranking chart” on the reverse...

- **Individual Ranking:** Take 5 minutes and individually rank each item in order of importance. *Do this by yourself.* Record your rank in the designated chart column on the reverse of this page.
- **Team Ranking:** When prompted, you will have 15 minutes to consult with your table group, discuss your individual choices, and refine the rankings based on the collective thoughts of the group. Record this ranking in the designated chart column on the reverse of this page.
- **Strengths-Based Kicker:** While working as a team, imagine your table group is actually your moon landing crew. After you complete your team ranking, consider your Top 5 Strengths. Each crew member will choose one of their Top 5's that would lend best to the survival of the team. Be prepared to explain why. Use the provided themed insight cards for reflection and support.
- **Tabulate Your Score & Report Out:** NASA's ranking and reasoning will be shared for score comparison. Teams will be asked to reflect and share on their scores and strengths discussion.

MOON LANDING RANKING CHART

SALVAGED ITEMS	MY RANKING	TEAM RANKING	NASA RANKING
Box of matches			
Food concentrate			
50 feet of nylon rope			
Parachute silk			
Two .45 caliber pistols			
One case of dehydrated milk			
Two 100-pound tanks of oxygen			
Stellar map			
Self-inflating life raft			
Magnetic compass			
Five gallons of water			
Signal flares			
First aid kit containing injection needles			
Solar powered FM receiver			
Portable heating unit			
	SCORE	*SCORE*	*SCORE*

**Scoring: For each item, mark the number of points that your score differs from the NASA ranking and then add up all the points. Disregard plus or minus differences. The lower the total, the better your score.*

NASA’S RANKING AND REASONING

SALVAGED ITEMS	RANK	REASONING
Two 100-pound tanks of oxygen	1	Most pressing survival need (weight is not a factor since gravity is one-sixth of the Earth's --each tank would weigh only about 17 lbs. on the moon.)
Five gallons of water	2	Needed for replacement of tremendous liquid loss on the light side.
Stellar map	3	Primary means of navigation - star patterns appear essentially identical on the moon as on Earth.
Food concentrate	4	Efficient means of supplying energy requirements.
Solar powered FM receiver	5	For communication with mother ship (but FM requires line-of-sight transmission and can only be used over short ranges.)
50 feet of nylon rope	6	Useful in scaling cliffs and tying injured together.
First aid kit containing injection needles	7	Needles connected to vials of vitamins, medicines, etc. will fit special aperture in NASA space suit.
Parachute silk	8	Protection from the sun's rays.
Self-inflating life raft	9	CO2 bottle in military raft may be used for propulsion.
Signal flares	10	Use as distress signal when the mother ship is sighted.
Two .45 caliber pistols	11	Possible means of self-propulsion.
One case of dehydrated milk	12	Bulkier duplication of food concentrate.
Portable heating unit	13	Not needed unless on the dark side.
Magnetic compass	14	The magnetic field on the moon is not polarized, so it's worthless for navigation.
Box of matches	15	Virtually worthless -- there's no oxygen on the moon to sustain combustion.

SCORING

00 - 25	Excellent. <i>You and your crew demonstrate great survival skills!</i>
26 - 32	Good. <i>Above average results. Yes, you made it!</i>
33 - 45	Average. <i>It was a struggle, but you made it in the end!</i>
46 - 55	Fair. <i>At least you're still alive, but only just!</i>
56 - 70	Poor. <i>Sadly not everyone made it back to the mother ship!</i>
71 +	Very Poor. <i>Oh dear, your bodies lie lifeless on the surface of the moon!</i>