

HANDOUT 1.2: Space Survival – Ranking of Items by Experts

Review the list of items and how they have been ranked by an expert team of scientists and engineers at NASA.

Oxygen	1	Fills respiration requirements
Water	2	Needed for replacement of tremendous liquid loss on the light side
Map of the moon	3	Principal means of finding directions
Food concentrate	4	Efficient means of supplying energy requirements
Solar-powered radio receiver-transmitter	5	Distress signal transmitter, possible communication with another ship
Nylon rope	6	Useful in scaling cliffs, tying injured together
First aid kit	7	Oral pills or injection medicine available
Parachute	8	Shelter against the sun's rays
Raft	9	CO2 bottle in military raft may be used for propulsion, helpful in carrying heavy objects
Flares	10	Distress call when line of sight possible
Pistols	11	Self propulsion devices could be made from them
Dehydrated milk	12	Bulkier duplication of food concentrate
Heating unit	13	Useful only if party landed on dark side
Magnetic compass	14	Probably no magnetized poles, therefore useless
Matches	15	Little or no use on moon, since there is no oxygen on the moon to sustain combustion

SCORE EVALUATION:

0 – 25	Excellent. You and your crew demonstrate great survival skills!
26 – 32	Good. Above average results. Yes, you made it!
33 – 45	Average. It was a struggle, but you made it in the end!
46 – 55	Fair. You made it, but only just!
56 – 70	Poor. Sadly, not everyone made it back to the mother ship!
71 – 112	Very poor. Oh dear, you did not make it off the surface of the moon!