

SPACE SURVIVAL TASK

Give students the following instructions: You are a member of a space ship crew scheduled to rendezvous with a mother ship on the lighted surface of the moon.

Because of an energy failure, you and the rest of the crew had to crash land some three hundred kilometers from the mother ship. During re-entry and landing much of the equipment aboard was damaged, and several of the crew were injured. Fifteen items of equipment were left undamaged. Since survival depends upon reaching the mother ship as soon as possible, the most critical items must be chosen for the 300 kilometer trek.

Your task is to rank order the 15 equipment items 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 15, the least important.

Listed below are the items:

- Box of matches
- Food concentrate
- Parachute silk
- Solar-powered portable heater
- Two .45 caliber pistols
- Case of dehydrated milk
- Two 100-LB. tanks of oxygen
- Stellar map of the moon's surface
- Life raft (self contained inflation)
- Magnetic compass
- 5 gallons of water
- Chemical signal flares
- First-aid kit with oral and injection medicines
- Solar-powered FM receiver transmitter
- 50 foot nylon rope