**SNC1P0 Stranded on the Moon Name:\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_**



**Scenario:**

You are a member of a space crew originally scheduled to rendezvous with the mother ship on the lighted surface of the moon. However, due to mechanical difficulties, your ship was forced to crash land at a spot some 200 miles from the rendezvous point. Much of the equipment on board was damaged during the crash landing. Fifteen items were left undamaged. Your survival depends on reaching the mothership. You must choose the most critical items for the 200-mile trip.

Your task is to rank the 15 items order them in terms of their importance in helping you to reach the rendezvous point. Place the number 1 by the most important item,

number 2 by the second most important item, and so on through number 15 for

the least important. Work individually at first, and then with your team to optimize your ranking!

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Individual Ranking** | **Team**  **Ranking** | **Item**  **Description** | **NASA Ranking** | **Difference** |
|  |  | Box of matches |  |  |
|  |  | Food concentrate |  |  |
|  |  | 50 feet of nylon rope |  |  |
|  |  | Parachute silk |  |  |
|  |  | Portable heating unit |  |  |
|  |  | Two .45 calibre pistols |  |  |
|  |  | One case of dehydrated  milk |  |  |
|  |  | Two 100 lb. tanks of  oxygen |  |  |
|  |  | Stellar map |  |  |
|  |  | Self-inflating life raft |  |  |
|  |  | Magnetic compass |  |  |
|  |  | 20 litres of water |  |  |
|  |  | Signal flares |  |  |
|  |  | First aid kit, including  injection needle |  |  |
|  |  | Solar-powered FM  receiver-transmitter |  |  |

**Summary Question:** Compare your rankings with the NASA rankings. How well did you do?