

Name \_\_\_\_\_ Per \_\_\_\_\_ Date \_\_\_\_\_

## NASA Exercise: Survival on the Moon

**Scenario:** You are a member of a space crew originally scheduled to rendezvous with a mother ship on the **lighted surface of the moon**. However, due to mechanical difficulties, your ship was forced to land at a spot some **200 miles from the rendezvous point**. During reentry 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. Below are listed the 15 items left intact and undamaged after landing. Your task is to rank order them in terms of their importance for your crew in allowing them 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** for the least important.

Your Ranking		NASA Ranking (we will do this together)	Difference (subtract your ranking and NASA's) use the absolute value, no negative numbers	TOTAL= ADD all the numbers in the "Difference" column
	Box of matches			<div style="font-size: 2em; color: blue; margin-bottom: 10px;">Total=</div> <div style="color: green;">           Look at the bottom of this page:            Is your score:            Excellent,            Good, Average,            Fair, Poor or            Very Poor?         </div> <div style="color: blue; font-size: 1.5em; margin-top: 10px;">-</div>
	Food concentrate			
	50 feet of nylon rope			
	Parachute silk			
	Portable heating unit			
	Two .45 caliber pistols			
	One case of dehydrated milk			
	Two 100 lb. tanks of oxygen			
	Stellar map			
	Self-inflating life raft			
	Magnetic compass			
	5 gallons of water			
	Signal flares			
	First aid kit, including injection needle			
	Solar-powered FM receiver-transmitter			

### SCORING

0-25 Excellent    26-32 Good    33-45 Average    46-55 Fair    56-70 Poor    71-112 Very Poor