



Moon, Mars, and ISS



16428 Avenida Florencia, Poway, CA 92064; (858) 487-8149 (phone); (858) 312-1566 (fax); miriam@nu-edu.com

Name _____

Date _____ Period _____ Exercise# _____

Lunar Problem Student Worksheet

You are a member of a future space crew originally scheduled to land at a lunar base on the lighted surface of the moon. Due to mechanical difficulties, your spacecraft was forced to land at a spot some 20 miles from the base. During the landing, the spacecraft and much of the equipment was damaged. Since survival depends on reaching the base, the most critical items available must be chosen for the 20-mile trip (assume that a way has been developed for astronauts to eat and drink outside of their spacecraft). Listed below are ten items left intact and undamaged after landing. Your task is to rank order them in terms of their importance for your crew in enabling them to reach safety to the base. Place the number **1** by the most important item, the number **2** by the second most important, and so on through number **10**, the least important.

- _____ Food concentrate
- _____ Fifty feet of nylon rope
- _____ Portable heating unit
- _____ One case of dehydrated milk
- _____ Two 100 lb. tanks of oxygen
- _____ Star map
- _____ Magnetic compass
- _____ Five gallons of water
- _____ First aid kit containing injection needles
- _____ Solar-powered radio

Lunar Problem

Item	Group Rank	Why?	Expert Rank	Why?