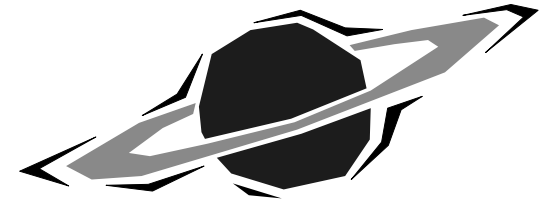


Junior Stargazers . . . Activity #2

# "SURVIVAL IN SPACE"



**TRY THIS:** Play the space survival game!! Copy the following sheets for each student and read the instructions. Then fill out what you think the most important things we would need on the Moon.

**THE STORY SO FAR . . . . . You are a member of a crew on a trip to the Moon. Your spaceship crash lands on the Moon, but you are all right. A rescue craft is on the way to pick up but it will be several days before it gets there and you will have to meet it at another landing site. The items listed below are the only things you have been able to save from the spaceship. How important is each item to you in helping you to survive? Rank the items from 1-15 with #1 being the most important and #15 being the most useless item. Be careful!! You may assume you're on the sunlit side of the Moon.**

\_\_\_\_\_ **Box of Matches**

\_\_\_\_\_ **5 gallons of Water**

\_\_\_\_\_ **Food concentrate**

\_\_\_\_\_ **Pistol with 6 bullets**

\_\_\_\_\_ **50-feet of nylon rope**

\_\_\_\_\_ **Self-igniting signal flares**

\_\_\_\_\_ **Parachute**

\_\_\_\_\_ **first aid kit with needles**

\_\_\_\_\_ **Portable heating unit**

\_\_\_\_\_ **solar powered FM transceiver**

\_\_\_\_\_ **Case of dehydrated milk**

\_\_\_\_\_ **Magnetic compass**

\_\_\_\_\_ **Two 100-lb tanks of Oxygen**

\_\_\_\_\_ **Moon Constellation map**

\_\_\_\_\_ **Self-inflating life raft that uses a carbon dioxide canister**

## **The correct order according to NASA:**

- 1) Oxygen tanks – the most pressing survival requirement**
- 2) Water – replacement of tremendous liquid loss on the lighted side of the Moon**
- 3) Constellation map – primary means of navigation (since you have to travel some)**
- 4) Food – to supply energy requirements**
- 5) FM Transceiver – for communication with the rescue craft on line-of-sight**
- 6) Rope – Useful in scaling cliffs or in case of emergency**
- 7) First Aid Kit – Needlse for medicines and vitamins**
- 8) Parachute – Possible use as a Sun shield**
- 9) Raft – Carbon dioxide bottle as a possible propulsion source**
- 10) Flares – Distress signal when rescue ship is sighted**
- 11) Pistol – possible means of self-propulsion (?)**
- 12) Milk – Bulkier energy source**
- 13) Heater – not needed unless on the dark side of the Moon**
- 14) Compass – Useless, the Moon has no global magnetic field like the Earth has**
- 15) Matches – won't burn as there is no air on the Moon**

**HOW MANY DID YOU GET RIGHT?**