



LOG 6: Mission to Mars: CRISIS

Your spaceship has just crash-landed on Mars. You were scheduled to land at Chryse Planitia Station 200 miles away. Both your crash site and Chryse Planitia are in daylight. The rough landing has ruined your ship and destroyed all of the equipment on board except for the 13 items listed below.

Your crew's survival depends on reaching Chryse Station, so you must choose the most critical items available for the 200-mile trip. Your task is to rank the 13 items in terms of importance for survival. Place number 1 by the most important item, number two by the second most important, and so on through number 13, the least important.

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|--|-------------------------------------|
| _____ Box of matches | _____ Two 100-pound tanks of oxygen |
| _____ Food concentrate | _____ Stellar map of Mars sky |
| _____ Fifty feet of nylon rope | _____ Flashlight |
| _____ Parachute silk | _____ Magnetic compass |
| _____ Gas-powered portable heater (gas included) | _____ Five gallons of water |
| _____ Solar powered FM receive/ transmitter | _____ Signal flares |
| _____ First aid kit containing injection needles | |

Begin solving the problem by listing the most critical items and numbering them starting with 1.

_____	_____	_____
_____	_____	_____

Then list the items that won't work or help. List them from 13 going back.

_____	_____	_____
_____	_____	_____

Then rank those that are left, using the remaining numbers.