

(Taken from Cooperative Group Problem Solving – Frank Schaffer Publications, Inc.)

You are a crew member of the spaceship *DukeRules!* Your mission has been to search for life forms in space and return safely to Earth. The mission has been jeopardized because of problems with the cooling systems in your spaceship. You have been forced to land 175 miles from your space station, which is on the lighted surface of Mangham Moon. Mangham Moon has a circumference of 350 miles. Because of a difficult landing, your crew has been forced to evacuate quickly. Moments after the evacuation, an explosion destroyed most of the contents of your spaceship. All that remains are the 15 items listed below.

Your crew's survival depends on reaching the space station. You must choose the most important items from surviving gear, those which will have the most value in reaching the space station.

Place a number 1 alongside the most important item, number 2 by the second most important, and so on through number 15, the least important.

	<b>You</b>	<b>Team</b>	<b>Expert</b>	<b>You/Expert</b>	<b>Team/Expert</b>
A cigarette lighter					
Concentrated food					
60 feet of nylon rope					
Signal flares					
A magnetic compass					
Six 50-pound tanks of oxygen					
A case of dehydrated milk					
Parachute silk					
A solar-powered heating unit					
A 357 magnum pistol					
A map of this moon					
A self-inflating life raft					
5 gallons of water					
First-aid kit					
Solar-powered FM two-way radio					
				<b>TOTAL</b>	