Traveling to the mars has been faced many problems. Reading states these problems and believes that it is impossible to travel there. The lecturer does not agree and gives explanations about the ways that can fix these problems. I will elaborate explanations in what follows.

First, the text says food, water and oxygen supplimenet is very hard because a two-year trip needs a lot of these necessary things. A space craft cannot be filled with too much burden so it is impossiable to have such a mars trip without providing essential needs. The lady says that austronauts can use the hydropanic technique which is culvitating of plants in water instead of soil. These plants also get air's carbon dioxide and produce fresh oxygen. Water wastes can be recycled. So, with these solutions the problem of providing food, water and oxyegen is solved.

Second, the reading states that there is no gravity on mars. Human body reacts negatively in a region that has zero gravity and loses muscle wieght. also the bone density decrease in a dangerous way. It is impossible to have a sucssessful mission without getting hurt by zero gravity effects. The orator states that, it is been a long time since many austranuts are sending for missions on international space station which also the gravity is zero on there, but they have learned how to deal with this and use special exercises to fight muscle mass lowering and take calcium pills for avoiding low bone density. So, there will be no problem with zero gravity.

Third point according the text is that sun has a lot of hazardous radiations which can make damages and hurt austraunatus. The earth's gravity protect humans from them but in such interplantery region there is not any protection. There should be a shield all around the spaceship to protect whole of it from radiation. In practic it is impossible to make such shield. The lecturer says sun's radiation is limited to special times and is occasionaly. Spacecraft should be equiped to a radiation sensor which tells people that harmful radiation are emitted. Also a little shield should be provided for a specific area, when the radiation is high they ca be in there and the radiations are done they can work all around the spacecraft.

Time:25 min