

**Teachers Answers to
Sweet Dreams are Made of These**

Part I

1. Students should supply these answers. This requires critically thinking skills.
2. Improvements on model could be:
 - a. Did a team member fit into sleep station?
 - b. Were there holes or cracks in their model?
 - c. Was the model designed according to criteria?
3. Polyethylene is a hydrogen rich material that has been found to be a good shield against radiation in space. Plastic grocery bags and some kitchen cutting boards are made of polyethylene. One of its greatest characteristics is that it is light. Even though cement would be a fine shielding material, the shuttle could not get off of the ground due to its weight.