

# Life in Space Teacher Guide

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This lesson introduces students to the effect of the space environment on biological life, including human physiology. The lesson includes a PowerPoint presentation and activity. The activity is similar to an experiment being used by NASA - studying the effect of microgravity on astronauts' ability to see in space.

1. Read the background information provided in the 'Life in Space Teacher's Notes' and the 'Vestibular-Ocular System Activity Sheet'.
2. Show students the 'Life in Space' PowerPoint presentation and discuss slides. Gravity is important to many of our biological functions, what happens when it is removed? What side effects do humans experience in space? How do we study the effects of microgravity on biology?
3. Have students read the activity information sheet.
4. Students should work in pairs and complete the 'Visual Acuity Record Sheet'.