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Activities

NASA's Analog Tests

Name: _____ Date: _____

How does NASA simulate extreme conditions future space travelers might find on other planets? The space agency's analog tests use carefully chosen locations on Earth to model these conditions. You'll find out more in this Planet Diary activity.

Directions

- To see where NASA goes to model extreme conditions, view this e-clip *Real World: Analog Testing in Extreme Environments*. Click *Play* to open it.
- Use the video controls at the bottom of the window to pause or rewind the program as you answer the Workspace questions.

Workspace

1. Why are NASA's tests called "analog" tests?

2. Why does NASA do some of its testing in Hawaii?

3. Why does it do some its testing in Arizona?

4. How does the undersea environment simulate the space environment?

5. List the four things a portable life support system does.

6. Why must future astronauts get a good feel for how the center of gravity of the backpack changes underwater?

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