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Activities

Anyone Out There?

Name: _____ Date: _____

Are there intelligent beings on other galaxies? A dedicated group of scientists is trying hard to find them. In this Planet Diary activity, you'll visit SETI to learn about its search for extraterrestrial life.

Directions

- Start with a visit to Cool Cosmos to find out What is the SETI project? Read the introduction, then answer Workspace question 1.
- Learn how radio astronomy works. Answer question 2.
- Discover how stars are born. Then answer question 3. Just as stars come to life, they can also die. Learn what results from the the death of a star. Answer question 4.
- Here's more on SETI's search for extraterrestrial life. Read the paragraph below the video window, then answer question 5.
- Click *Play* to watch the video. Answer questions 6 and 7 as you advance. Use the controls to pause or rewind.
- Although the Allen Telescope Array hasn't found extraterrestrial life yet, the search continues. Visit the Allen Telescope Array Image Gallery for pictures.

Workspace

1. How do SETI scientists look for signs of extraterrestrial life?

2. Why is radio astronomy used to look at distant objects?

3. What three "ingredients" are needed to make a star?

4. What's another name for the "corpse" of a very big star?

5. What is the Allen Telescope Array?

6. What does Dr. Drake's equation show?

7. What would be an "almost certain sign" of extraterrestrial life?

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