

Activity

# Internet Activity

---

## High-Energy Physics

Use an Internet search engine to research the field of high-energy physics and the various types of particle accelerators— such as the ones at the Stanford Linear Accelerator Center, Fermilab, and CERN—used throughout the world to study subatomic particles.

1. What search engine did you use? \_\_\_\_\_
2. What keywords did you use to search for this Web site? \_\_\_\_\_  
\_\_\_\_\_
3. List the URLs for two Web sites about this topic. \_\_\_\_\_  
\_\_\_\_\_
4. What is the source for the information on these Web sites? \_\_\_\_\_  
\_\_\_\_\_
5. List any universities or professional organizations with which these Web sites are affiliated. \_\_\_\_\_  
\_\_\_\_\_

Use the Web sites you listed in question 3 to answer the questions that follow.

6. What is the main purpose of the Stanford Linear Accelerator Center?  
\_\_\_\_\_
7. What are Fermilab's mission and its main activities? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
8. What are some of the particle accelerators that CERN uses and has used?  
\_\_\_\_\_  
\_\_\_\_\_

### GOING FURTHER

9. **Applying Ideas** After researching the Web sites above, create a written report, oral presentation, or poster presentation about the field of high-energy physics and the various particle accelerators used to study subatomic particles.