Quest Through the Archives: Q

Directions: After reading the article "Flex time," log in to your Science News in High Schools account and

| use the Search page to answer these questions. Make sure you adjust the filters to include articles written before 1999, if the question requires you to do so. |
|---|
| 1. Long-term potentiation, or LTP, is an important process in which individual connections between neurons are strengthened during learning. Can you find an article about using LTP to make mice smarter? |
| |
| |
| 2. The network of connections among neurons in the brain is called the "connectome." Can you find an article that explains how the connectome can be studied by functional magnetic resonance imaging (fMRI)? |
| |
| |

3. Connected brain regions that are most active when the brain is at rest make up the "default mode network." What is the earliest Science News article you can find about the default mode network, and what does it say?