

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## **Atoms in the Sun**

The sun has a mass of approximately  $2 \times 10^{30}$  kg. A hydrogen atom has a mass of approximately  $1.7 \times 10^{-27}$  kg.

If it were made entirely of hydrogen atoms, about how many hydrogen atoms would there be in the sun?

*Show your work, and write your answer in a complete sentence.*