| Name: | |
|---------|------|
| Date: _ | |

Atoms in the Sun

The sun has a mass of approximately 2 x 10^30 kg. A hydrogen atom has a mass of approximately 1.7×10^{-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.