

## Primer on Semiconductors Lecture 1.2 Quick Problem

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Provide a numerical answer to the question below.

**Repeat the exercise in Lecture 1.2, but this time, compute,  $N_{Ge}$  the number of atoms per cubic cm for germanium.**

HINT: Use SI units and compute the answer per cubic meter and then convert to per cubic cm. You may need to look up the value of the lattice constant,  $a$ , on the web.