# Cubic Close Packing Layers (whole atoms) 

## LEGO unit representing atoms in this structure:



This atom model requires:
4 yellow $2 \times 4$ bricks
2 yellow $2 x 2$ bricks

Note: Colors distinguish layers.
Layer $A$ is white, layer $B$ is yellow, and layer C is red.

This model requires:
28 yellow $2 \times 4$ bricks 24 white $2 \times 4$ bricks 12 red $2 \times 4$ bricks 14 yellow $2 \times 2$ bricks 12 white $2 \times 2$ bricks 6 red $2 \times 2$ bricks


$$
Z=0 \quad Z=0.333 \quad Z=0.667 \quad Z=1
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