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PLEASE SUBMIT YOUR WORK THROUGH GOOGLE CLASSROOM
OPTION 1: print this page, fill in your answers by hand, take a picture or scan, upload, and attach
OPTION 2: create and attach a google document with your answers (no need to copy the assignment itself)

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1.  **Imagine you can stack atoms on top of each other one by one, like a tower of blocks. <u>How many atoms will it take to make a tower as tall as a human</u>?**

    **(In other words, *a human is how many atoms tall*? 😊)**

    Hint: start with writing the height of a human – you can google the average height or measure your own height – just make sure to use metric units; then recall the size of a single atom (Lecture #5, slide 5); now calculate!

2.  **Match the words from the word bank to their meaning. You may need to review Lecture #5.**

A. _____ is the amount of 3D space that a substance or shape occupies or contains.

B. _____ is the amount of material in an object.

C. _____ is anything that takes up space and has mass.

D. _____ is how much matter (atoms!) is contained in a unit of volume.

**WORD BANK:  matter,  volume,  density,  mass**