

# Build an Atom Simulation

Write your answers on your own paper.

<https://phet.colorado.edu/en/simulation/build-an-atom>

## Instructions:

- 1) Expand each window on the right side of the screen to display information for element, symbol, mass number, and net charge. Check each box for element, neutral, and stable.
- 2) Use the atom builder to create a stable and neutral atom of each of the following atoms and complete the table below.

	H	He	Li	Be	B	C	N	O	F	Ne
Protons										
Electrons										
Neutrons										
Mass #										

- 3) Describe how to create an atom that is not neutral. What is it called? Provide an example.
- 4) Select the game tab. Play at least one game for levels 1-4. Report your best scores.  
Level 1: \_\_\_\_\_ Level 2: \_\_\_\_\_ Level 3: \_\_\_\_\_ Level 4: \_\_\_\_\_

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