

## Build an Atom Webquest: Answer Key

(#4-9 – 0.5 points each; #14 – 1 point)

4) a. Hydrogen

b. Stable

5) It is still Hydrogen.

6) A negative ion is made because now there are more electrons than protons.

8) It is unstable.

9) To make it stable, you have to add a proton.

14) Only the atomic mass (the number on the top left) increased by 1. The other number stayed the same.

15) (1 point total for each row)

<u>#</u> <u>Proton</u> <u>s</u>	<u>#</u> <u>Neutron</u> <u>s</u>	<u>#</u> <u>Electron</u> <u>s</u>	<u>Element Name</u>	<u>Stable/Unstable</u>	<u>Charge</u>
6	6	4	Carbon	Stable	Positive (+2)
3	2	3	Lithium	Unstable	Neutral
7	5	7	Nitrogen	Unstable	Neutral
1	1	1	Hydrogen	Stable	Neutral
2	2	2	Helium	Stable	Neutral
4	2	2	Beryllium	Unstable	Positive (+2)
9	4	6	Fluorine	Unstable	Positive (+3)
1	2	2	Hydrogen	Unstable	Negative (-1)
5	5	5	Boron	Stable	Neutral
7	7	6	Nitrogen	Stable	Positive (+1)
10	13	10	Neon	Unstable	Neutral