

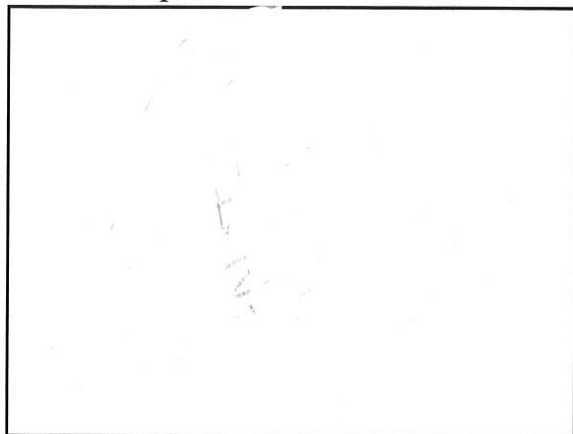
# Atoms

Read each statement and decide whether it is true or false. If the statement is true, write "true" on the line next to it. If the statement is false, write "false" on the line and then rewrite the statement to make it true.

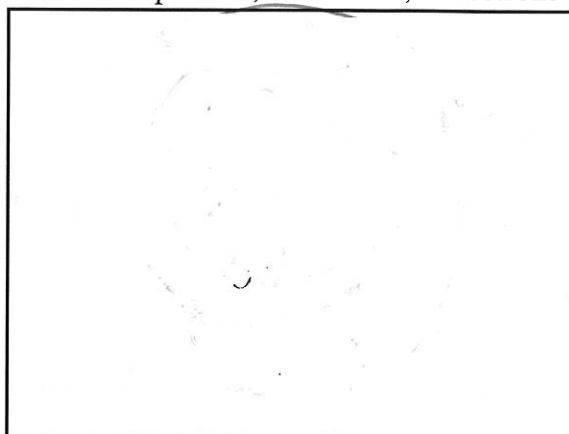
1. \_\_\_\_\_ Atoms are too small to be seen with the eye or ordinary tools.  
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2. \_\_\_\_\_ Electrons are the positively charged particles in an atom.  
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3. \_\_\_\_\_ The nucleus of an atom is made of protons and neutrons.  
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4. \_\_\_\_\_ Neutrons are the negatively charged particles inside an atom.  
\_\_\_\_\_
5. \_\_\_\_\_ An ion is an electrically charged atom where the number of protons equals the number of electrons.  
\_\_\_\_\_

Using the information below provided about each atom, draw a Bohr model of the atom. Label the protons with a + and the electrons with a -. Note that an atom's innermost electron shell can hold no more than two electrons.

6. Helium: 2 protons, 2 neutrons, 2 electrons



7. Carbon: 6 protons, 6 neutrons, 6 electrons



8. Write a short paragraph comparing and contrasting the two atoms you drew above.

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