## **Brainpop Challenge—Atoms**

Name:

Period:

Start by watching the Brainpop on atoms, then follow the instructions to answer the questions below.

When you finish watching the cartoon, on the same page as the cartoon on atoms, select Challenge from the right side of the screen.

On the next screen, select the REVIEW button. As you work through the different activities and check your answers, be sure to copy down the correct answers onto this handout to turn in at the end of class. When the challenge is finished, it will let you review your correct answers. If it will help, you may open a second tab, and use your bookmark to get to Chem4Kids and use pages in that site as well.

1. Place the particles in order from smallest to largest on the arrow line below:

atom electron molecule neutron nucleus

\*\*Smallest\*\*

| Aurgest\*\*

2. Put the facts in the appropriate sections of the Venn diagram:

found in all matter negative charge exists in nucleus attracts opposite charge moves at extreme speed bound by strong force

proton

both

electron

turn over for more

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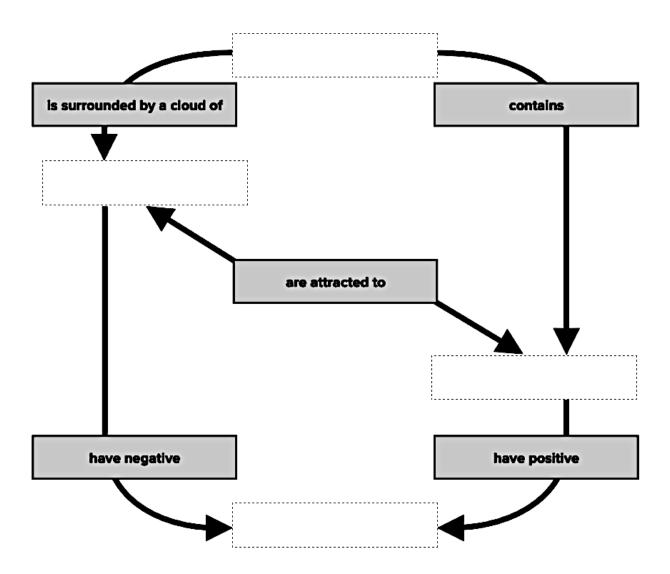
Period:

3. Which statements about water are true? Choose more than one answer by writing TRUE on the line next to the statement. If the statement is not true, leave the line blank.

 every molecule of water contains two atoms of oxygen
 hydrogen and oxygen have different properties when separated
 molecules of water cannot be broken apart
 water does not appear on the periodic table of elements
 water molecules contain a lot of empty space
water molecules have no subatomic particles

4. Finish the concept map below by adding <u>SOME</u> of the following terms to the empty boxes:

atoms chemical properties electrical charge electrons nucleus protons



Practice: 11 points