Worksheet: Development of Atomic Theory Name	
<b>True-False:</b> place a "+" in the blank if the statement is true, a if the statement is false.	and a "O" in the blank
<ol> <li>Dalton's atomic theory stated:         <ul> <li>a. atoms are indivisible.</li> <li>b. all atoms of the same element are alike.</li> <li>c. atoms unite in small, whole number ratios to form compounds.</li> </ul> </li> </ol>	
<ol><li>The Greek philosopher Democritus was one of the first to suggest the existence of atoms.</li></ol>	
3. The word "atom" means invisible.	
<ol> <li>A theory is an explanation of observable facts and phenomena.</li> </ol>	
5. Aristotle supported the idea of the atom.	
<ol><li>From the "gold-foil" experiment it was concluded that the atom is mostly empty space.</li></ol>	
Short Answer and Fill in the Blanks:	

1.	What must models and theories do in order to remain valid?
	a.

b.

2.	The "gold-foil" experiment had	the following results:	of the
	alpha particles were deflected,	of	the alpha particles
	were reflected, and	of the alpha pa	rticles passed through
	the gold foil.		