A. Lee						
Name: _			F	Period:		Date:
Balance	the follow				e Worksh	
1Na	$100_3 \rightarrow$	_NaNO ₂	+O ₂			
2Al	+H ₂ S	O ₄ → _	_Al ₂ (SO ₄)	$_{3} + _{H_{2}}$		
3Sb	+O ₂	→;	$\mathrm{Sb}_2\mathrm{O}_5$			
4Si	$O_2 + _{I}$	HF →S	SiF ₄ +F	$_{12}O$		
	$(H_4)_2 Cr_2 O_7$				O_3	
	rmula for t				0,	
WIIIC 10		O ⁻²			OH ⁻	
Na ⁺¹	6)	7)	8)	9)	10)	
Mg ⁺²	11)	12)	13)	14)	15)	
What wo	ould be its for these e	formula? lements)	What wo	uld be its	name? (hi	Potassium and Bromine. nt: You first need to find the
	of the conne "organ			Name	e of the cor	mpound:
Fill in th		are bui	lding bloc	eks for car	bohydrates	3.
19. Cell	ulose is on	e type of		·		
20	and					ling block for lipids.
21			are buil	lding bloc	ks for prote	ein.
22. The	molecular	formula f	or glucose	e is		_•
Answer	the follow	ing question	ons.			

24. What is the function of lipid?

23. What is the function of carbohydrate in your body (in your cell)?

25. What is the function of a	n enzyme? Hov	w does it work (two hy	rpotheses)?					
26. What is DNA? What is in	ts function in th	ne cell?						
27. Adenine always pairs up	. Adenine always pairs up with and Guanine always pairs up with							
28. Name the two scientists who discovered DNA.								
29. What is the difference between saturated and unsaturated fat?								
30. Write whether following molecules have covalent bonds or ionic bonds.								
a) N ₂	b) CO ₂		c) O ₂					
d) NaNO ₃	e) Sb ₂ O ₅		f) HF					
g) SiO ₂	h) Cr ₂ O ₃		I) H ₂ O					