Name	
Teacher Class Block	
Date Chapter 8 Review	
solid magnesium reacts with oxygen gas	11. Draw a picture showing how magnesium
1. Write the formula and state of matter for	loses electrons and oxygen gains electrons.
both reactants.	me
$Mg(s)$ $O_2(g)$	12. What does OIL RIG stand for? What is
2. Why is oxygen not written as O (g)?	gained and lost? lectrons
3. What is the word that means the same thing	oxidation is loss reguction is gain
as the arrow? "Yields "produces"	13. Are metals oxidized or reduced? Why?
4. When we did this reaction in your lab, what did the magnesium look like when it	they lose e-
burned? Very bright white dight	14. Are nonmetals oxidized or reduced? Why?
5. What is the state of matter for magnesium	they gain e-
oxide? Solic	15. What ion do all acids have? Give the name
6. Write the formula and state of matter for the	and formula. H+ hydrogen ion
product. $Mg^{2+}O^{2-}MgO(5)$	16. What ion do all bases have? Give the name and formula. OH - hydroxide
7. Write the balanced chemical equation for	17. What do all Acid-Base Reactions have as
the reaction. 2 Mg(g)+ Oz(g)-ZMgO(s)	products? (2 things) #20 + Salt
8. What characteristics of this reaction make it	18. What is the definition of a salt? a procluce of on acid-hade reachon. 19. What does aqueous mean?
	19. What does aqueous mean? Olissolved in Hz O
a synthesis reaction? 2+ Madants, only one product 9. What characteristics of this reaction make it	20. Give the balanced molecular equation for
	the reaction between aqueous hydrochloric
an oxidation-reduction (redox) reaction? On present, Mg loses e-, O	acid and aqueous lead (II) hydroxide. ZHC((ag) + Pb(H)z(ag) -7
10. What characteristics of this reaction make it	ZH2O(d)+ PbC/2 (G)
a combustion reaction? Thurs	2H20(9+

it is insoluble in the	for the reaction
22. Why is water a liquid and not aqueous?	hydrochloric
Water can't dissolve it self.	nitrate.
23. Give the balanced complete ionic equation	14(ag) + 20
for #20.	PhC12 (
g +2C/ag) + Pb (ag + 20H ag) Pb C/2 (s) + Hz O(l) 32	. Give the bala
24. Why do you not separate lead (II) chloride	reaction betw
in the complete ionic equation? It is a solid so isn't injuged 25. What are ions called that stay in solution and	and aqueous $Pb^{2+}(ag)$
do not form the solid? Spectator yours. 33	. Why is this d
26. Why is this a double replacement reaction? 34 2 compounds Suntch partners	. Why is this p 2 light . Why is this n
27. Why is this not a redox reaction?	Charges
28. Why is this a precipitation reaction? 2 agueous substances Make	No elect
a solid. 29. Give the balanced net ionic equation for $\#20$. $Pb^{2+}(ag) + 2CI^{-}(ag) \rightarrow \#20$.	5.
#20. $PbC(z(s))$ 30. Give the balanced molecular equation for	$x_{i} = \frac{1}{2\pi} \left(\frac{\partial}{\partial x_{i}} \right)^{2}$
the reaction between aqueous hydrochloric	
acid and aqueous lead (II) nitrate. $2 + C((ag) + Pb(NO_3)_{z(ag)}^7 PbC _{z(s)} + 2f$	t NO3 (ag)

21. Why is lead (JI) chloride a solid?

31. Give the balanced complete ionic equation for the reaction between aqueous hydrochloric acid and aqueous lead (II) nitrate.

2Ht(ag) + 2Cl-(ag) + Pb (ag) + 2NDz(ag) -> PbCl2(s) + 2HT(ag) + 2NDz(ag)

32. Give the balanced net ionic equation for the reaction between aqueous hydrochloric acid and aqueous lead (II) nitrate.

Pb2+(ag) +2C/(ag)-7 PbC/2(s)

33. Why is this double replacement? I compound Suntan partners.

35. Why is this not redox?

Charges about change No electrons transfer.