3.11 Acids and Bases		Name:	
Underline the correct	t word in the followi	ng list to comple	ete the
sentence. Acids have a	taste	: :	
hot sweet		sour	salty
Using the list below, found in lemons? Carbonic acid Hydrochloric acid Citric acid		id is	
	3. What does o	orrosive mean?	
Using some words from Some words can be		-	owing sentence.
base	red green	blue	alkalis
Acid turns litmus pap an acid is a Bases o	A base that d	ssolves in water	r is called an
5. Match each substance car battery flui			ns. <i>onic acid</i>

sto	mach acid	(ii)	(b) sulfuric acid (c) hydrochloric acid		
fiz	zy drinks	(iii)			
6. List two co	mmon bases:		and		
7. Universal	indicator can b	pe used to find t	ne pH of a subst	tance by	
matching a c	olour change t	o a colour chart	This tells us ho	w strong an	
acid or a bas	e is. Add numl	bers to the chart	below to show	the pH scale.	
Now, match	each pH range	below with how	strong an acid	or base it is.	
pΗ	pH 1 – pH 3		(a) weal	k acid	
pH 5 – pH 7		(ii)	(b) stron	(b) strong base	
	рН 7		(c) stron	ng acid	
pΗ	17 – pH 9	(iv)	(d) neut	ral	
рH	1 10 – pH 14	(v)	(e) weak base		
8 Complete	the table to list	the elements in	each of the follo	owing acids or	
8. Complete bases.	the table to list	t the elements ir	each of the follo	owing acids or	
bases. Substance	the table to list	Element 1	each of the follo	owing acids or Element 3	
bases. Substance Hydrochloric					
bases. Substance	Formula	Element 1			
bases. Substance Hydrochloric		Element 1			
bases. Substance Hydrochloric	Formula	Element 1	Element 2		
Substance Hydrochloric acid	Formula	Element 1			
Substance Hydrochloric acid Sodium	Formula	Element 1	Element 2		

(a) List what you need:	
(b) What measurements will you make?	_
(c) Predict what will happen in your experiment.	-
(d) How accurate do you think your method will be?	-
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