Elements

Scientists have found more than 100 different types of atoms. A substance made of only one type gold are all elements. Each element has its own name. For example, carbon, oxygen and letters, starting with a capital letter and usually derived from its name. For example, oxygen has

H																	nents'.
3.0	4	1										13	14	15	16	17	He Helum 4.0
Li Limium 6.9	Be Beryllum 9.0											5 B	6 C Carpon	y N	8 0	9 F	10 Ne
Na Sodum	Mg Mg											8cron 10,8	12.0	14.0 15	16.0	19.0 17	Negn 20.2
23.0	24,3	3	22	5	6.	7 25	8	9	10	11	12	Al Aluminium 27.0	SI Slicon 28,1	P Phosphorus 31.0	Sulter 32.1	Cl Chlorine 35.5	Ar Argon 40.0
Parasium 39.1	Calcium 40.1	Scandium 45.0	Ti Tranium 47.9	V Vanadium 50.9	Cr Chromium 52.0	Mn Manganese 54.9	Fe 101 55.9	Co Cobolt 58.9	Ni Nickel	Cu Copper	Zn Inc	Ga Galum	Ge Germonum	As Aseric	Se Selection	35 Br	36 Kr Krypton
Rb Rubidium	Sr Strontum	Y Ymium	40 Zr Zirconium	Nb Nobum	42 Mo	43 Tc	44 Ru	45 Rh	58.7 46 Pd	63.5 47	65.4	69.7	72.6	74.9	79.0 52	79.9	54
85.5	87.6 56	88.9	72	92.9	95.9	75	Ruthenium 101 76	Rhodium 103	Paladium 106	Ag siver 108	Cd Cadmium 112	In Indum 115	Sn 119	Sb Antmony 122	Telunum 128	lodine 127	Xe Xenon 131
Cs coesium 133	Ba Barium 137	Lanthanum 175	Hothlum 179	Ta Tantalum 181	W Tungiten 184	Re Rhenium 186	Os Osmlum 190	17 Ir Halum 192	78 Pt Platinum	AU Gold	Hg Merculy	TI Thollum	Pb lead 207	Bi Bismuth	Po Polonium	At Astatine	86 Rn Rodon
1.	Write	e dov	vn th	e sym	bols	_			eleme	197	201	204	207	209	210	210	222
	(a)	Li	thium	_						(f)	Nitro	gen				
	(b)	Во	oron							(9	1)	Fluor	ine				
	(c)	С	arbor	n _						(h		Hydr	ogen				
	(d)	C	alciur	n						(i)		Heliu					
	(e)	Zir	nc														
0000				Ala	- 1	1.1				(j)		Oxyg					of the
e che	emico n'. Th	al syn e che	nbol t	for so al sym	dium abol f	you'd or soc	d pro dium	bably is 'Na	say and	or exc 'S' or com	'So'. es fro	Howe m its	ever, s Latin	ne as sodiu name	ked y m's Lo e.	ou to	gues ame
	(a)	WC	orked	m is meta	ol, so	the p	eopl	e who	ally, v o hac	vater I the j	pipes job of	wer	e ma ding d	de fro	om th	is soft	t, easi g wate
		No	me c	of Eler	nent						_ Che	micc	al sym	bol_			
	(b)	Hy	drarg	a liqu	is a l	Latin roon	word n tem	med	ning ture.	"liqui It wa:	d silve s histo	er". Th	nis ele y use	emen d in t	t is the	e only	y meto ers.
		Na	me o	f Elen	nent.						_ Che	mico	al sym	bol_			
((c)			nas b ed to					r tho	usan	ds of	year	s. This	shin	y, yel	low r	netal
		Na	me o	f Elen	nent						Che	mico	al sym	bol_			

Name of Element

"potaschen" meaning "pot ashes".

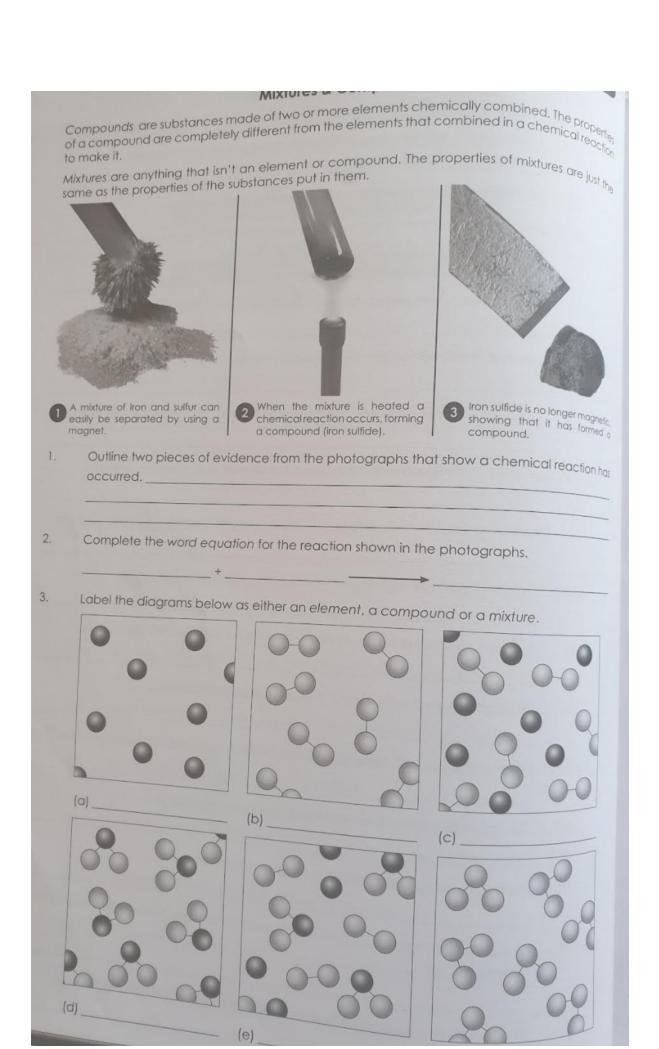
Name of Element

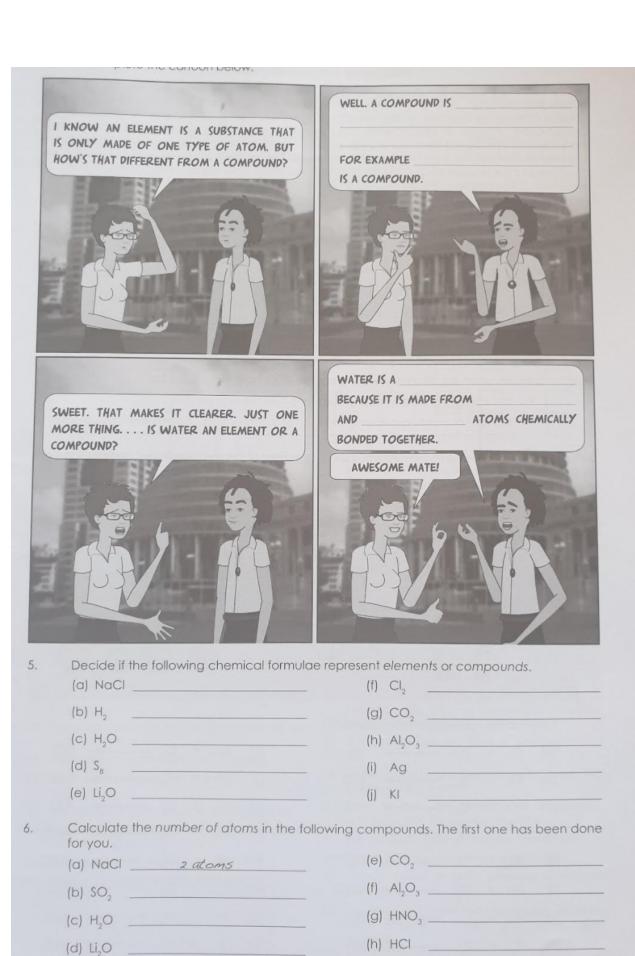
(e)

Chemical symbol _

____ Chemical symbol __

Kalium is an old Latin word. Its modern name is derived from a Dutch word





	This	task is about	atoms, elemen	ts, compou	ınds, and mixtures	•
			0	•		
Α		В	С		D	Е
		Key:	,○, and ● repule is made up of	oresent atom atoms joine		
a) Use the bo	exes above to	answer these	questions.			
i) Name	a box that co	ontains an elem	nent.	A B C D	E (Circle one)	
ii) Which	box contains	s a compound?		A B C D	E (Circle one)	
iii) Which	box contains	s a mixture of e	elements?	A B C D	E (Circle one)	
Four words t	hat can be u	sed when desc	ribing substance	s are writte	n in the box below.	
		elements	compounds	atoms	molecules	
h)] Isa thasa	words to exr	lain the differe	ance hetween			
		olain the differe	ence between			
b) Use these i) box B and		olain the differe	ence between			
		olain the differe	ence between			
i) box B and	box D.	olain the differe	ence between			
	box D.	olain the differe	ence between			
i) box B and ii) box A and c) Using symb	box D. box B. ols like those			n below to	show a box containi	ng two different
i) box B and	box D. box B. ols like those			n below to	show a box containi	ng two different
i) box B and ii) box A and c) Using symb	box D. box B. ols like those			n below to	show a box containi	ng two different
i) box B and ii) box A and c) Using symb	box D. box B. ols like those			n below to	show a box containi	ng two different
i) box B and ii) box A and c) Using symb	box D. box B. ols like those			n below to	show a box containi	ng two different

Answers/responses: A or B a) i) ii) D iii) C b) i) Box B has elements, while box D has compounds. or Box B has molecules of elements, while box D has compounds. Box A has atoms, while box B has (molecules of) ii) elements. c) e.g.,