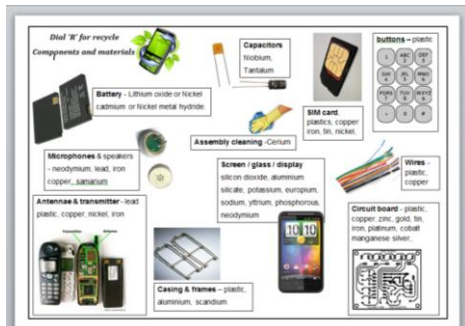
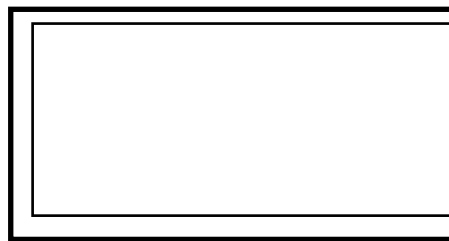


Dial R for Recycle

Your resources

Work space -A3 sheet for dismantling the phone



Components and materials - for identifying the phone parts, the minerals and materials they contain.

Periodic table for filling in elements in the phone

Periodic Table of the Elements

1																	18				
H																	He				
2	3	4											10	11	12	13	14	15	16	17	18
Li	Be											B	C	N	O	F	Ne				
6.94	9.01											10.81	12.01	14.01	16.00	18.99	20.18				
11	12											13	14	15	16	17	18				
Na	Mg											Al	Si	P	S	Cl	Ar				
22.99	24.31											26.98	28.09	30.97	32.07	35.45	39.95				
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36				
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr				
39.10	40.08	44.96	47.88	50.94	52.00	54.94	55.85	58.93	58.69	63.55	65.39	69.72	72.61	74.92	78.96	79.90	83.80				
39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56				
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe				
85.47	87.62	88.91	91.22	92.91	95.94	98.91	101.07	102.91	106.42	107.87	112.41	114.82	117.3	118.71	127.6	126.9	131.3				
39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56				
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn				
132.9	137.3	138.9	178.5	180.9	183.8	186.2	190.2	193.2	195.08	196.967	200.59	204.38	207.2	208.98	(209)	(210)	(222)				
87	88	89	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118				
Fr	Ra	Ac	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Uub	Uuq	Uup	Uuq	Uub	Uut	Uuq				
223	226	227	(261)	(262)	(263)	(264)	(265)	(266)	(267)	(268)	(269)	(270)	(271)	(272)	(273)	(274)	(275)				

Electronic scales for total and battery weights.

56	58	60	61	62	63	64	65	66	67	68	69	70	71
Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
140.1	140.9	144.2	(145)	150.4	151.9	157.3	158.9	162.5	164.9	167.3	168.9	173.0	175.0
90	91	92	93	94	95	96	97	98	99	100	101	102	103
Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr
232.0	231.0	238.0	(237)	(244)	(247)	(250)	(253)	(256)	(259)	(262)	(265)	(268)	(271)

Your Safety

- Always place the phone on a stable surface when dismantling. Take care when using the tools.
- DO NOT open the battery casing – these contents can be toxic if ingested
- Take care when dismantling phones with a 'liquid crystal' display', found mostly older style Nokia phones - wear gloves when you are separating the screen from the rest of the phone.

Mobile Metal facts

Batteries in mobiles are rechargeable and are based on metals - lithium oxide or Nickel Cadmium or Nickel metal Hydride

A ton of mobile phones includes:

- 100 kilograms of copper
- 3 kilograms of silver
- 1.5 kilograms of palladium
- 200 grams of gold (gold mines produces 5 grams of gold per ton of rock)
- 200 grams of platinum



How many mobile phones?!

The number of mobile phones in Australia exceeded the population in 2007 (21.25 million)

In 2011 Australians purchased over 1 million phones a month – that's 34,000 a day!!

There are over 5 billion mobile phone connections or accounts worldwide.