

Unit 2: Static electricity		
1	Static electricity	insulating materials are rubbed together, one transfer's electrons to another, becoming charged
2	Positively charged	material that loses electrons
3	Negatively charged	material that gains electrons
4	Attract	non-contact force when oppositely charged materials are put near each other
5	repel	non-contact force when like charged materials are put near each other
Unit 3: Particle model of matter		
6	Pressure & Volume relationship	Pressure x Volume = Constant

Unit 4: Atomic structure		
7	Background radiation natural sources	rocks and cosmic rays from space radon gas
8	Background radiation man-made sources	fallout from nuclear weapons testing and nuclear accidents x-rays and hospital waste
9	sieverts (Sv)	unit of radiation dose
10	Medical uses of nuclear radiation	a) exploration of internal organs b) control or destruction of unwanted tissue
11	Nuclear fission	splitting of a nucleus to produce two smaller nuclei
12	Nuclear fission use	powers a nuclear reactor
13	Nuclear fusion	joining together of two smaller atomic nuclei to produce a larger nucleus
14	Nuclear fusion uses	energy source of stars and in hydrogen bombs
15	Nuclear chain reaction	occurs when a neutron splits a nucleus, releasing more neutrons, which in turn go on to split even more nuclei