1	2											3	4	5	6	7	0	
				Key			1 H hydrogen 1										4 He helium 2	
7	9	relative atomic mass										11	12	14	16	19	20	
Li	Be	atomic symbol										В	C	N	0	F	Ne	
lithium 3	beryllium 4	atomic (proton) number										boron 5	carbon 6	nitrogen 7	oxygen 8	fluorine 9	neon 10	
23 Na	24 Mg												28 Si	31 P	32 S	35.5 Cl	40 Ar	
sodium 11	magnesium 12											aluminium 13	silicon 14	phosphorus 15	sulfur 16	chlorine 17	argon 18	
39	40	45	48	51	52	55	56	59	59	63.5	65	70	73	75	79	80	84	
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr	
potassium 19	calcium 20	scandium 21	titanium 22	vanadium 23	chromium 24	manganese 25	iron 26	cobalt 27	nickel 28	copper 29	zinc 30	gallium 31	germanium 32	arsenic 33	selenium 34	bromine 35	krypton 36	
85	88	89	91	93	96	[98]	101	103	106	108	112	115	119	122	128	127	131	
Rb	Sr	Y	Zr	Nb	Мо	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Те		Xe	
rubidium 37	strontium 38	yttrium 39	zirconium 40	niobium 41	molybdenum 42	technetium 43	ruthenium 44	rhodium 45	palladium 46	silver 47	cadmium 48	indium 49	tin 50	antimony 51	tellurium 52	iodine 53	xenon 54	
133 Cs	137 Ba	139 La*	178 Hf	181 Ta	184 W	186 Re	190 Os	192 Ir	195 Pt	197 Au	201 Hg	204 TI	207 Pb	209 Bi	[209] Po	[210] At	[222] Rn	
caesium	barium	lanthanum	hafnium	tantalum	tungsten	rhenium	osmium	iridium	platinum	gold	mercury	thallium	lead	bismuth	polonium	astatine	radon	
55	56	57	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	
[223]	[226]	[227]	[261]	[262]	[266]	[264]	[277]	[268]	[271]	[272]	Elements with atomic numbers 112 – 116 have been							
Fr	Ra	Ac*	Rf	Db	Sg	`Bh´	Hs	Mt	Ds	Rg								
francium	radium	actinium	rutherfordium	dubnium	seaborgium	bohrium	hassium	meitnerium		roentgenium		reported but not fully authenticated						
87	88	89	104	105	106	107	108	109	110	111	-							

* The Lanthanides (atomic numbers 58 - 71) and the Actinides (atomic numbers 90 - 103) have been omitted.

Relative atomic masses for Cu and Cl have not been rounded to the nearest whole number.

Teeth.

Crown: Part of the tooth visible above the gumline.

Enamel: Strong white outer layer of the tooth.

Dentin: Cream coloured layer beneath the enamel.

Neck: a narrow point in the tooth where crown meets gum.

Pulp: is the 'living' part of the tooth, it is made up of blood vessels, nerves and tissue.

Root: found below the gum-line and hold the tooth in place.

Cementum: cements the tooth in the jaw.

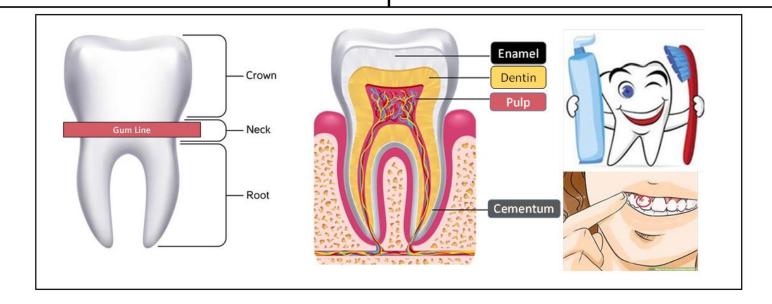
Tooth decay: the softening of your tooth enamel caused by acids that are created when plaque bacteria break down sugar in your mouth.

Cavities: are holes caused by tooth decay.

Incisors: nipping off tough plant or meat.

Canines: piecing and locking on to prey.

Pre-molars and Molars: grinding harder materials. Linking the types of teeth an animal has to the diet that they eat.



Skeleton

Skull: Several plates of bone in the head.

Spine: A number of small vertebrae that make up the backbone.

Ribcage: Ribs form a cage that protects the vital organs in the chest.

Humerus: Long bone in the upper arm.

Ulna and Radius: Two bones in the forearm.

Pelvis: Hip bone, where the legs attach.

Femur: Long bone in the upper leg.

Patella: small floating bone known as the knee cap.

Tibia and Fibula: Two bones in the lower leg.

Scapula: The collar bone.

Tendons: Fibres that connect muscle to bone Ligaments: Fibres that connects bone to bone. Cartilage: Reduce wear between rubbing bone. Synovial Fluid: Reduces friction between bones. Ligaments: Connects bone to bone.

Cartilage: Reduce wear between rubbing bone.

Synovial Fluid: Reduces friction between bones.

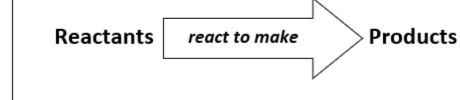
Joints: Where two bones meet. There are several types of joints including; 'pivot', 'ball and socket', 'hinge', and 'fixed' joints.

Antagonistic pairs of muscles: Two muscles working together by alternating which is contracted and which is relaxed in order to allow a 'move and return' action. **Chemical reaction** – a change in which atoms are rearranged to create new substances. e.g. iron rusting, burning wood, cooking an egg, baking a cake, rotting banana, battery, fireworks

Reactant - a starting substance in a chemical reaction.

Product – a substance that is made in a chemical reaction.

Word equation – a simple way of representing chemical reaction. The reactants are on the left of an arrow, and the products are on the right. The arrow means reacts to make.

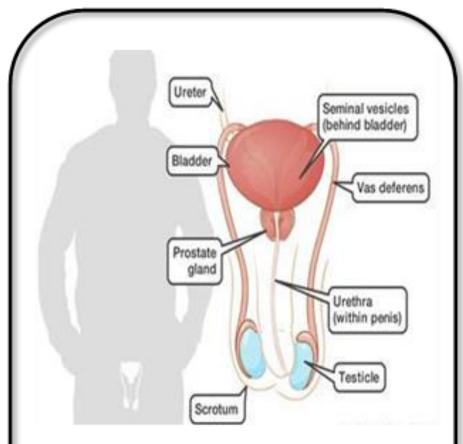


Forces

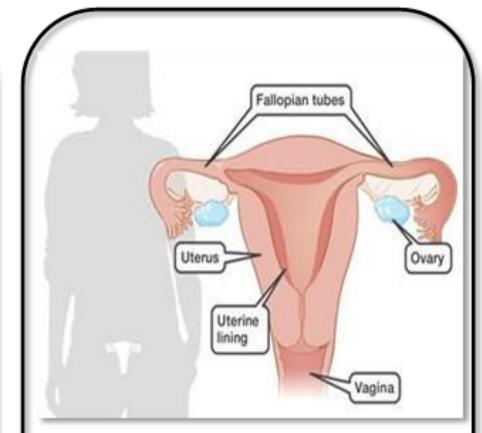
Key Vocabulary:

Acceleration: The rate at which an object's velocity changes Air resistance: The force of air acting on a moving object **Balanced forces:** Two forces of equal size acting in opposite directions **Contact force:** A force that must touch an object to affect it **Friction:** The force caused by one surface touching another surface **Gravity:** A force that attracts an object towards the centre of another object Magnetism: The force between two magnets or between a magnet and a magnetic material

Motion: Movement Newton: The unit for force **Non-contact force:** A force that can affect an object without touching it **Tension:** The force acting on an object that has been stretched Thrust: A 'pushing' force **Up-thrust:** The force that acts upwards on an object, often from air-resistance or water Velocity: The scientific word for 'speed' Weight: The force that results from an object's mass and the effect of gravity



The SCROTUM holds the TESTICLES which contain the TESTES where sperm are made. The SPERM TUBE (vas deferens) carries sperm towards the PENIS. Seminal vesicles (GLANDS), add a liquid called semen to the sperm. The ureter carries urine from the bladder towards the penis. The urethra carries sperm and urine through the penis to the outside.



The VAGINA is the opening of the female reproductive system. At the top of the vagina is a ring of muscle called the CERVIX. This opens into the UTERUS, which is where a foetus can develop. The uterus connects to the OVIDUCT (sometimes called the fallopian tube). Once a month an egg is released into the oviduct from an OVARY.