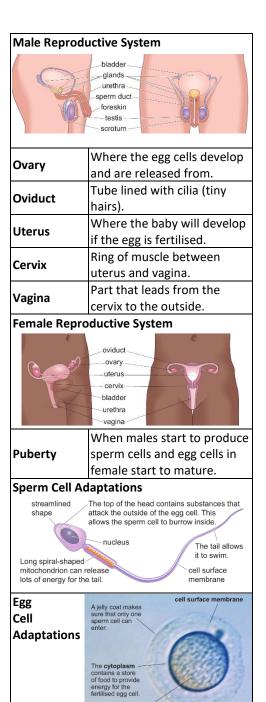
7B Sexual Reproduction in Animals

1. Animal Sexual Reproduction			
Offspring	The new organisms		
	produced by reproduction.		
Sexual	Reproduction that needs two		
Reproduction	parents to produce offspring.		
Gametes	Sex cells		
Sperm	Gamete that males make		
Egg	Gamete that females make		
Fertilisation	Sperm enters an egg cell and		
	nuclei fuse forming a		
	fertilised egg cell.		
External	The sperm and egg cell meet		
Fertilisation	outside of the body.		
reitilisation	e.g. fish		
Internal	The sperm and egg cell meet		
Fertilisation	inside the body.		
Heina	Large numbers of eggs are		
Using External Fertilisation	produced because many get		
	washed away. The parents		
	don't look after their young.		
	Fewer egg cells produced		
Using	because sperm is more likely		
Internal	to reach egg. The parents usually look after their		
Fertilisation			
	young.		

2. Reproductive Organs		
Testes	Where sperm cells are made.	
Scrotum	Bag of skin containing the	
	testes.	
Sperm Ducts	Sperm travels through here	
	after leaving the testes.	
Glands	Fluids are added to the	
	sperm- it is now called	
	semen.	
Urethra	The tube the semen leaves	
	the body through.	



3. Becoming Pregnant			
Sexual	The erect penis is inserted		
Intercourse	into the vagina.		
Ejaculation	Semen is pumped out of the		
	urethra.		
Route the	Vagina → sucked up through		
sperm takes	cervix → uterus → oviduct →		
	meets egg cell		
	If fertilisation occurs the cell		
	starts to divide forming an		
Implantation	embryo which will then sink		
	into the uterus lining. The		
	woman is now pregnant.		
Amniotic	Watery fluid to protect		
Fluid	growing embryo / foetus.		
Amnion	Bag containing the amniotic		
Allilloli	fluid.		
Placenta	Allows oxygen, food and		
	water to be passed from		
	mother's blood into embryo's		
	blood. Waste materials (like		
	carbon dioxide) pass from		
	embryo's blood into mother's		
	blood.		
Umbilical	Carries the embryo's blood to		
Cord	and from the placenta.		
A Costation and Birth			

4. Gestation and Birth		
Gestation	The time from fertilisation until	
Period	birth.	
Foetus	When an embryo develops a	
	full set of organs we call it a	
	foetus (around 8 weeks).	
Ultrasound	Produce images of foetus to	
Scans	check for problems.	
Harm to Baby	Alcohol, drugs, cigarette smoke	
	and viruses can pass through	
	placenta and harm foetus.	
Premature	Baby born small and early.	
Labour	The act of giving birth.	

Stages of	1. contractions start and cervix		
	begins to widen.		
	2. amnion breaks and amniotic		
	fluid leaves vagina.		
Giving	3. cervix at 10cm, stronger		
Birth	contractions pushes baby		
	through.		
	4. Umbilical cord cut.		
Afterbirth	The placenta is passed out of		
Aiterbirth	the vagina- end of labour.		
	Produces milk for babies-		
Mammary	contains nutrients and		
Glands	antibodies to protect from		
	disease		

5. Growing Up		
Sex	Released by brain, tests &	
Hormones	ovaries- start puberty.	
Changes to	Voice deepens, shoulders	
Boys During	widen, hair grows, testes/	
Puberty	penis grow, sperm produced.	
Changes to	Breasts develop, hair grows,	
Girls During	hips widen, ovaries start to	
Puberty	release eggs.	
	Days 1-5: uterus lining lost	
	from body (menstruation)	
	Days 6-14: egg cell starts to	
Menstrual	mature and is released	
Cycle	around day 14 (ovulation)	
	Days 14+: egg cell swept	
	towards uterus, if not	
	fertilised cycle starts again.	

Lesson	Memorised?
1. Animal Sexual	
Reproduction	
2. Reproductive	
Organs	
3. Becoming Pregnant	
4. Gestation & Birth	
5. Growing Up	