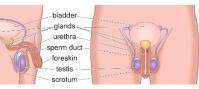
7B Sexual Reproduction in Animals

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

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

Male Reproductive System



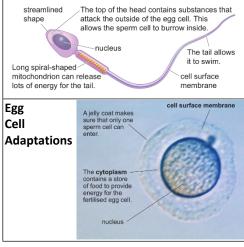
Ovary	Where the egg cells develop	
	and are released from.	
Oviduct	Tube lined with cilia (tiny	
	hairs).	
Uterus	Where the baby will develop	
	if the egg is fertilised.	
Cervix	Ring of muscle between	
	uterus and vagina.	
Vagina	Part that leads from the	
	cervix to the outside.	

Female Reproductive System



When males start to produce sperm cells and egg cells in female start to mature.

Sperm Cell Adaptations



			-	
3.	Becoming Pregnant		1	
Sexual	The erect penis is inserted		_	
Intercourse	into the vagina.	Stages of 2		
Ejaculation	Semen is pumped out of the	Giving Birth	3	
,	urethra.	Dirti		
Route the	Vagina \rightarrow sucked up through			
sperm takes	$cervix \rightarrow uterus \rightarrow oviduct \rightarrow$		4	
-	meets egg cell	Afterbirth	Т	
	If fertilisation occurs the cell	Alterbirth	t	
	starts to divide forming an		F	
Implantatio	-	Mammary	c	
	into the uterus lining. The	Glands	a	
	woman is now pregnant.		c	
Amniotic	Watery fluid to protect		1 -	
Fluid	growing embryo / foetus.			
Amnion	Bag containing the amniotic	Sex		
Ammon	fluid.	Hormones		
	Allows oxygen, food and	Changes to		
	water to be passed from	Boys Durin	g	
	mother's blood into embryo's	Puberty		
Placenta	blood. Waste materials (like	Changes to		
	carbon dioxide) pass from	Girls Durin		
	embryo's blood into mother's	Puberty	-	
	blood.			
Umbilical	Carries the embryo's blood to			
Cord	and from the placenta.			
	· · · · · · · · · · · · · · · · · · ·	Menstrual		
	Gestation and Birth	Cycle		
Gestation	The time from fertilisation until	-		
Period	birth.			
	When an embryo develops a			
Foetus	full set of organs we call it a			
f	foetus (around 8 weeks).	1		
Ultrasound	Produce images of foetus to	Lesson		
Scans	check for problems.	1. Anima		
L A	Alcohol, drugs, cigarette smoke	Reprodu	ct	
Harm to	and viruses can pass through	2. Repro	lu	
Baby	placenta and harm foetus.	Organs		

placenta and harm foetus.

The act of giving birth.

Premature Baby born small and early.

Labour

Stages of Giving Birth	 contractions start and cervix begins to widen. amnion breaks and amniotic fluid leaves vagina. cervix at 10cm, stronger contractions pushes baby through. Umbilical cord cut. 	
Afterbirth	The placenta is passed out of the vagina- end of labour.	
Mammary Glands	Produces milk for babies- contains nutrients and 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.	
Menstrual Cycle	Days 1-5: uterus lining lost from body (menstruation) Days 6-14: egg cell starts to mature and is released around day 14 (ovulation) Days 14+: egg cell swept towards uterus, if not fertilised cycle starts again.	
Lesson Memorised?		
1. Animal Sexual		

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