Class Osteichthyes

		_ Animalia		
		_ Chordata		
		_ Vertebrata		
		_ Osteichthyes		
Genera	al Characteristi	<u>CS</u>		
•	The	(k	oy species) class of	
	– Over		known species	
•		skeleton of _		
•	Dermal chondrichthy		protection, but are very	from
	– Epide	ermal	secretion=reduce	
•		symi	metry	
			adapted for	environment
•	Aquatic			
	– Paire	d		
	•	co	overed by	(allows fish to breathe
•		– salt,	, warm,	– anywhere!!
•		bladder –		
	– Creat	es	buoyancy	
	– Can a	llso act as	chamber for	
•	Mouth/jaw w	/ell		
	– Fine			
<u>Scales</u>				
•				
	•		coating of protect	ive
	•		shape,	
	•	Uncommon in	fish (found on	, gar)

		•	Terminate in tiny	/	along	edge		
				type o	type of			
	_	•	Smooth					
		•						
		•	Grow in concent	ric	each winter –	<u> </u>	"	
Skelet	<u>on</u>							
•	Endosl	keleton -		_ &				
	_					of the body – s	skull,	
	_			_ – parts of the ı –		_ adjacent to the girdle, fin	ravs	
Muscu	ılar				0,		,	
	<u></u>	ntad mu	sclos /	1 0	varlanning cogmo	ntad		
·						nted mover		
Digest	<u>ive</u>							
		– m	outh, pharynx,		, stomach, py	loric,		
	_	Also ha	nve	& gall bladd	der to aid in			
Circula	atory							
•				chambered	l heart			
	_	Pericar	dial	with an	& a	·		
	_					return blood to the h		
						 & at the		
Respir						ut and		
<u>rtespii</u>								
·				I I I I I . I	u	,,		
				by muscular plate				
	_					& excretion of _		
	_	Gill	– pro	ovides cartilaginou	ıs			

_	Gill	– protect against			_ substance entering		
		(cleaning & filtering water)					
<u>Excretory</u>							
• Two _		– strai	ns	nit	rogenous waste		
_			- Fluid tube l	eading to ur	inary bladder		
Nervous syster	n/sensory	<u>L</u>					
•		_ well develo	ped – divisio	on of			
Nerve branches to lateral							
_	hemisphere – capable of ""						
_	lobes – receive & process signals from						
	– olfactory sacs pick up dissolved						
	(smelling)						
_	Auditory	<i>y</i> –		_ ear			
	•	•growth for equilibrium &					
-			line – picks up low touch/hearing			vibrations –	
				_	area process		
_			lobes – area, proces – well developed, binocular – allow				
	-		- 				
	• :	See in	; some can see		light		
_			– fish have			preferences,	
	can disti	inguish what	's "good"				
Reproduction							
•		fertilization () – most spe	ecies	
_	Brook tr	out –	_eggs				
_							
• A few s		e					