Begin With	Description	Go To
A	Body long and snake-like, pelvic fins absent	В
A'	Body not long and snake-like, pelvic fins present	С
В	Jawless, mouth in center of round disk, 7 pairs of gill openings, no pectoral fins	Sea lamprey - Petromyzon marinus Sea Lamprey
B'	Jaws present, one pair of gill openings, pectoral fins present	American Eel
С	Pelvic fins thoracic	D
C'	Pelvic fins abdominal	F
D	Black flap on gill cover (operculum)	Е
D'	No black flap on gill cover (operculum)	Tessellated Darter
E	Orange or red spot on rear of black flap on the gill cover (operculum)	Pumpkinseed Sunfish
E'	No orange or red spot on black flap of gill cover (operculum)	Bluegill Sunfish

F	Adipose fin present, chin barbels present	incustor by fall Violan
F'	Adipose fin not present	Yellow Bullhead G
G	Lateral line absent	Н
G'	Lateral line present	J
Н	Upper jaw overhangs lower jaw, black spot behind gills as big as eyes	
H'	Lower jaw protrudes past upper, black	Gizzard Shad I
	spot behind gills small	1
I	Dark blue back without significant hump, saw teeth on belly smaller and not obvious	
I'	Greyish-green hump, saw teeth large	Blueback Herring
	and obvious	Alewife
J	Black spot on dorsal fin	K
J'	No black spot on dorsal fin	L
K	Blunt snout, dorsal fin with black spot located in first few rays, lateral line ends in black spot	illustration by Ind Works
		Bluntnose Minnow

K'	Snout not blunt, dorsal fin with black spot located in last few rays, lateral line does not end in black spot	
		Spotfin Shiner
L	Lateral line shaded and dark	M
L'	Lateral line slightly dark or indistinct	N
M	Scales distinctly diamond shaped, lateral line dark, but not heavily so	Swallowtail Shiner
		Swallowtail Shiner
M'	Scales not distinctly diamond shaped, lateral line dark and heavy	E DI LI
N	Upper jaw severely overhanging lower	Blacknose Dace O
19	jaw	O
N'	Upper jaw and lower jaws relatively even	P
О	Large sucker-like lips, very blunt snout, fish typically larger than 10cm	White Sucker
O'	No sucker-like lips, snout not as blunt, fish not larger than 10cm	Longnose Dace

P	Fins appear white and frosted at the tips, fish typically no larger than 10cm	Satinfin Shiner
P'	Tips of fins without frosted appearance, fish often larger than 10cm	Fallfish

