

Hydrozoan Life Histories- Page 1.

	Fixed Gonophore?	Gastrulation Type	Life Cycle		
			Polyp and free medusa	Medusa reduced or absent	Polyp reduced or absent
CLASS HYDROZOA					
TRACHYLINA					
O. Actinulidae					
F. Halammohydridae					
<i>Halammohydra vermiformis</i>	Direct development to medusae	Morula Delamination			X
F. Otohryiidae					
<i>Otohryda vagans</i>	Direct development to medusae	Morula Delamination			X
O. Limnomedusae					
F. Olindiidae					
<i>Gonionemus depressum</i>	Free medusae, free-spawn	Blastula Delamination	X		
<i>Gonionemus vertens</i>	Free medusae, free-spawn	Multipolar Ingression	X		
O. Narcomedusae					
F. Aeginidae					
<i>Aeginopsis mediterranea</i> (= <i>Solmundella mediterranea</i>)	Direct development to medusae	Multipolar Ingression			X
O. Trachymedusae					
F. Geryoniidae					
<i>Liriope mucronata(tetraphylla)</i>	Direct dev to medusae, free-spawn	Mixed Delamination			X
<i>Geryonia(Liriope)fungiformis</i>	Direct dev to medusae	Blastula Delamination			X
F. Rhopalonematidae					
<i>Aglaura hemistoma</i>	Direct dev to medusae, free-spawn	Epiboly?			X
<i>Rhopalonema velatum</i>	Direct dev to medusae, free-spawn	Morula Delamination			X
<i>Aglantha digitale</i>	Direct dev to medusae, free-spawn	Epiboly			X
HYDROIDOLINA					
O. Capitata					
F. Corynidae					
<i>Sarsia eximia</i>	Free medusae, free-spawn	Mixed Delamination	X		
F. Eleutheriidae					
<i>Eleutheria dichotoma</i>	Free medusae, embryos brooded	Mixed Delamination	X		
F. Halocordylidae					
<i>Halocordyle disticha</i>	Free medusae, free-spawn	Uni Ing-stereoblastula	X		
F. Polyorchidae					
<i>Polyorchis penicillatus</i>	Free medusae, free-spawn	Unipolar Ingression	?		
<i>Spirocodon saltatrix</i>	Free medusae, free-spawn	Unipolar Ingression	?		
F. Tubulariidae					
<i>Tubularia larynx</i>	Fixed gonophores, brood embryos	Mixed Delamination		X	
<i>Tubularia mesembryanthemum</i>	Fixed gonophores, brood embryos	Mixed Delamination		X	
O. Filifera					
F. Bougainvillidae					
<i>Bougainvillia superciliaris</i>	Medusae released	Mixed Delamination	X		
<i>Rathkea fasciculata</i>	Free medusae	Unipolar Ingression	X		
F. Clavidae					
<i>Clava squamata</i>	Sessile gonophores, brood embryos	Morula Delamination		X	
<i>Cordylophora caspia</i>	Sessile gonophores, brood embryos	Morula Delamination		X	
<i>Cordylophora lacustris</i>	Sessile gonophores, brood embryos	Mixed Delamination		X	
<i>Turritopsis nutricula</i>	Free medusae, brood embryos	Morula Delamination	X		
F. Eudendriidae					
<i>Eudendrium armatum</i>	Sessile gonophores, brood embryos	Syncytial Delamination		X	
<i>Eudendrium racemosum</i> (<i>ramosum?</i>)	Sessile gonophores, brood embryos	Syncytial Delamination		X	
F. Hydractiniidae					
<i>Hydractinia echinata</i>	Sessile gonophores, free-spawn	Mixed Delamination		X	
<i>Podocoryne carneae</i>	Free medusae, free-spawn	Unipolar Ingression	X		
F. Pandeidae					
<i>Leuckartiara pileata</i>	Free medusae	Unipolar Ingression	X		
<i>Stomotoca apicata</i>	Free medusae, free-spawn	Unipolar Ingression	X		

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CLASS HYDROZOA					
HYDROIDOLINA					
O. Hydridae					
F. Hydridae					
<i>Hydra</i> sp.	Fixed, sessile gonophores, brood	Mixed Delamination		X	
O. Leptomedusae					
F. Aequoreidae					
<i>Aequorea forskalea</i>	Medusa released, free-spawn	Unipolar Ingression	X		
<i>Eutima (Octorchis) gegenbaui</i>	Medusa released	Unipolar Ingression	X		
F. Campanulariidae					
<i>Campanularia angulata</i>	Sessile gonophores, brood	Morula Delamination		X	
<i>Clytia (Phialidium) flavidula</i>	Medusa released, free-spawn	Unipolar Ingression	X		
<i>Clytia gregarium</i>	Medusa released, free-spawn	Unipolar Ingression	X		
<i>Clytia hemisphaericum</i>	Medusa released, free-spawn	Unipolar Ingression	X		
<i>Clytia viridicans</i>	Medusa released, free-spawn	Unipolar Ingression	X		
<i>Gonothyrea loveni</i>	Sessile gonophores, brood	Multipolar Ing/Morula Del		X	
<i>Laomedea flexuosa</i>	Sessile gonophores, brood	Morula Delamination		X	
<i>Obelia</i> sp.	Medusa released, free-spawn	Multipolar Ingression	X		
<i>Obelia nigra</i>	Medusa released	Unipolar Ingression	X		
<i>Obelia lucifera</i>	Medusa released	Unipolar Ingression	X		
F. Haleciidae					
<i>Halecium tenellum</i>	Fixed sporosacs	Mixed Delamination		X	
F. Laodiceidae					
<i>Laodicea cruciata</i>	Medusa released	Unipolar Ingression	X		
F. Melicertidae					
<i>Melicertidium octocostatum</i>	Medusa released	Uni/Multipolar Ingression	X		
F. Mitrocomidae					
<i>Mitrocoma annae (=cellularia)</i>	Medusa released, free-spawn	Unipolar Ingression	X		
F. Plumulariidae					
<i>Plumularia echinulata</i>	Sessile gonophores (sporosacs)	Morula Delamination		X	
<i>Plumularia setacea</i>	Sessile gonophores, brood	Morula Delamination		X	
F. Sertulariidae					
<i>Dynamena (Sertularia) pumila</i>	Subsessile gonotheca, brood	Morula Delamination		X	
<i>Sertularella polyzonias</i>	Sessile gonophores, brood	Morula Delamination		X	
F. Eirenidae (=F. Campanulinidae)					
<i>Eutonina indicans</i>	Medusa released, free-spawn	Unipolar Ingression	X		
<i>Tima pellucida (Eirene viridula)</i>	Medusa released	Unipolar Ingression	X		
O. Siphonophora					
F. Abylidae					
<i>Abylopsis tetragonia</i>	Eudoxid colonies released, free-spawn	Morula Delamination		X (eudoxids)	
F. Diphyidae					
<i>Lensia conoidea</i>	Eudoxid colonies released, free-spawn	Blastula Delamination		X (eudoxids)	
<i>Muggiaea atlantica</i>	Eudoxid colonies released, free-spawn	Blastula Delamination		X (eudoxids)	
F. Sphaeronectidae					
<i>Sphaeronectes gracilis</i>	Eudoxid colonies released, free-spawn	Morula Delamination		X (eudoxids)	
F. Agalmatidae					
<i>Nanomia cara</i>	Medusoids attached, free-spawn	Blastula Delamination		X	
F. Forskaliidae					
<i>Forskalia edwardsi</i>	Sessile gonophores	Morula Delamination		X	