

# Natural History of Vertebrates

## List of Terms

### Chapter 5 - Radiation of the Chondrichthyes

The following are terms that you should look up. You should be able to define each term and give a clear, specific example of each. Most of these terms are in your textbook (check the glossary), some will be presented in lecture, and others may come from your previous course work. A good investment at this point in your career would be the investment in one or more dictionaries which are specific to biology. One dictionary that I would recommend is "A Dictionary of Ecology, Evolution and Systematics" (second edition) by Lincoln, Boxshall and Clark. It is published by Cambridge University Press and the ISBN number is 0 521 43842 for the paperback version.

Taxonomic terms may be the scientific names or common names associated with various groups of organisms. Generic names are capitalized and in italics. Scientific names for families or higher are capitalized. Common names start with lower case letters.

I will use these terms in lecture at various times throughout the semester and will expect you to know them. They may also appear on tests. It would be a very good idea to include a section in your notes where you write out the definitions to these terms.

#### List of Terms

prismatic calcification  
burst swimming  
benthic  
palatoquadrate  
hyoid arch  
parallel evolution  
convergent evolution  
grade  
chondrocranium  
amphistylic  
tooth whorl  
neural arch  
placoid scale  
hydrofoil  
claspers  
hemal arch  
pelagic  
lek  
fusiform  
terminal mouth  
heterodont dentition  
ceratotrichia

#### Taxonomic Terms

Acanthodii  
Placodermi  
Chondrichthyes  
Teleostomi  
Holocephali  
Neoselachii  
ratfish  
sharks  
skates  
rays  
Galea  
Squalea  
*Cladoselache*  
Neoselachii  
*Hybodus*  
hypotremates  
pleurotremates  
chimeras

heterocercal  
epicercal  
hyomandibula  
hyostylic  
cranial kinesis  
mechanoreception  
neuromast organs  
lateral line system  
electroreception  
ampullae of Lorenzini  
chemoreception  
tapetum lucidum  
nictitating membrane  
internal fertilization  
copulation  
intromittent organ  
nidimental gland  
oviparous  
ovoviviparous  
lecithotrophy  
viviparous  
matrotrophy  
placentotrophic viviparity  
durophagus  
autostylic

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Provide comments to [Dwight Moore](#) at [dmoore@emporia.edu](mailto:dmoore@emporia.edu).