

# Shark Dissection Alternative Assignment

This assignment will be counted as your dissection lab grade in place of you being in class dissecting. It is due NO LATER THAN Friday 4/17 or it will NOT be accepted for a grade!!!

## Assignment:

Research the dogfish shark (*Squalus acanthius*) and write a 2 page, single-spaced, typed or hand-written research paper about your findings. It must include ALL of the content areas listed below. Your paper must have a bibliography citing a minimum of 5 sources.

**-OR-**

Create a prez.com presentation including all of the content information below. Your presentation must contain a minimum of 10 content slides (not including the title slide), 5 pictures, 1 youtube video link appropriate to the dogfish shark, and a handwritten bibliography showing at least 5 sources used to create the presentation.

## Content:

**General Information:** classification, relatives, skeleton type, habitat, range, endo- or ecto-thermic, average size for males & females.

**Feeding:** pattern, how teeth are arranged in the jaw, # of teeth in one life-time, list of all organs involved in digestion & their functions

**Respiration:** how do shark gills function? Function of the spiracle? # of gill slits?

**Internal Transport:** open or closed system, single or double loop, # of heart chambers

**Excretion:** what structures balance salt vs. fresh water & remove metabolic waste?

**Sense/Responses:** list sense organs & functions, which lobes of the brain are well-developed? what are their functions?

**Movement:** types of muscles, types, locations & functions of fins, how they control buoyancy

**Reproduction:** Oviparous, viviparous, or ovoviviparous (define the term), age of sexual maturity, frequency of reproduction, care of young?