

**CH. 16: Fish, Amphibians & Reptiles**

Unit purpose

Overview of this unit lessons

**Lesson:** 16-1 What are vertebrates?  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 6

**\*\*Correct Homework, if any\*\*****Lesson Objective**

List the four characteristics of chordates.

Describe the main characteristics of vertebrates.

Describe the difference between an ectotherm and an endotherm.

**Teaching Procedure**

Day 1: Read/discuss p. 372. Do LAB, p. 373.

Day 2: Read/discuss p. 374-376.

**Homework Assignment**

Worksheet 16-1.

**Lesson:** 16-2 Fishes  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 6

**\*\*Correct Homework, if any\*\*****Lesson Objective**

Describe three classes of living fishes, and give an example of each.

Describe the function of a swim bladder and an oily liver.

Explain the difference between internal fertilization and external fertilization.

**Teaching Procedure**

Day 1: Read/discuss p. 377-379.

Day 2: Read/discuss p. 380-381.

Day 3: LAB: Dissect whole fish. Identify the parts.

**Homework Assignment**

Worksheet 16-2.

**Lesson:** 16-3 Amphibians  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 6

**\*\*Correct Homework, if any\*\*****Lesson Objective**

Describe the importance of amphibians in evolution.

Explain how amphibians breathe.

Describe metamorphosis in amphibians.

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**Teaching Procedure**

Day 1: Read/discuss p. 382-384.

Day 2: Read/discuss p. 385-386. Show discuss frog anatomy at [http://www.froguts.com/flash\\_content/index.html](http://www.froguts.com/flash_content/index.html)

**Homework Assignment**

Worksheet 16-3

**Lesson:** 16-4 Reptiles  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 6

**\*\*Correct Homework, if any\*\***

**Teaching Procedure**

Day 1: Read/discuss p. 387-389.

Day 2: Read/discuss p. 390-391.

**Lesson Objective**

Explain the adaptatoions that help reptiles live on land.

Name the three main groups of vertebrates that evolved from reptiles.

Describe the characteristics of an amniotic egg.

Name three orders of modern reptiles.

**Homework Assignment**

Worksheet 16-4.

**Lesson:** Test  
**Author:** ...  
**Endorsed:** ...  
**Level:** Grade 6

**Student Evaluation**