

#8823

# MOLLUSKS

Grade Levels: 6-8

11 minutes

NEW DIMENSION MEDIA 1997

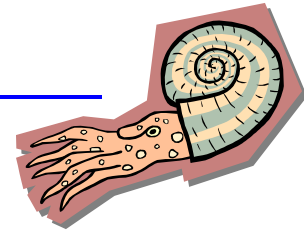
## DESCRIPTION

How do mollusks move? Close-up photography reveals the locomotion secrets of snails, sea hares, scallops, octopi, and squids.

## ACADEMIC STANDARDS

### Subject Area: Life Sciences

- ◆ Standard: Understands the structure and function of cells and organisms
  - Benchmark: Knows that organisms have a great variety of body plans and internal structures that serve specific functions for survival (e.g., digestive structures in vertebrates, invertebrates, unicellular organisms, and plants)



## INSTRUCTIONAL GOALS

1. To identify common characteristics of both land and water mollusks.
2. To study the diverse movement techniques used by mollusks.

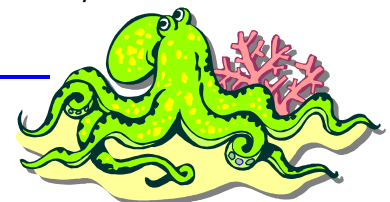
## BEFORE SHOWING

1. Bring in models, pictures, or live examples of mollusks. Allow students to examine the examples. Discuss common characteristics. Ask students what they already know about mollusks.
2. Ask students to use a dictionary to define the following terms: *mollusk*, *tentacles*, *devolve*, *expel*, *camouflage*, *contract*, *mantle*, and *siphon*.

## AFTER SHOWING

### Discussion Items and Questions

1. What characteristics do mollusks share? What are some members of the mollusk family?
2. Describe the movement and physical characteristics of one of the most common mollusks.
3. If a snail has no feet or legs, what is meant by "the foot and/or sole of the foot" of the snail?
4. Compare and contrast the type of motion of the snail and the sea hare.



5. Explain the method of movement used by a scallop. Do any other mollusks use this or a similar type of locomotion? When might a scallop need to move in this manner?
6. Explain the movement of the squid.
7. How does the siphon affect the movement of some mollusks? Which ones use a siphon?

### Applications and Activities

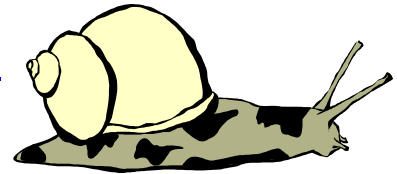
1. Assign or allow students to research a particular mollusk. After gathering information, report on their findings.
2. Build a model that represents one form of mollusk movement.

### RELATED RESOURCES



#### Captioned Media Program

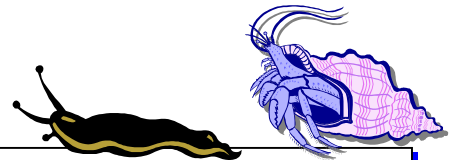
- Animals Without Backbones #2356
- Creepy Crawlers: Legless Locomotion #2272
- Locomotion #2308
- The Snail #3181



### World Wide Web



The following Web sites complement the contents of this guide; they were selected by professionals who have experience in teaching deaf and hard of hearing students. Every effort was made to select accurate, educationally relevant, and “kid-safe” sites. However, teachers should preview them before use. The U.S. Department of Education, the National Association of the Deaf, and the Captioned Media Program do not endorse the sites and are not responsible for their content.



- **MOLLUSKS**

<http://www.150.si.edu/150trav/discover/mollusk.htm>

From the Smithsonian, displays pictures of the marine mollusk family—the Conidae—that are deadly.

- **ENDANGERED MOLLUSKS: IMAGES**

<http://www.nceet.snre.umich.edu/endspp/esimages/esmollusks.html>

Click on several thumbnail pictures of endangered mollusks for a bigger picture. Gives the name, status, and states found of each mollusk.

- **SNAILS & SEA-SLUGS: MOLLUSCS**

<http://www.austmus.gov.au/science/division/invert/mal/>

Lists the characteristics of mollusks, links to projects, provides fact sheets, contains a picture gallery, and more.