

Period: _____

Name: _____

Freshwater Mussels

Read *Freshwater Mussels of the Pacific Northwest* pages 1 - 14, 34 - 37, 41 - 42. Complete the following information using information from the booklet.

Mussels belong to which animal group? _____

- Body Structure
 - Describe the mussel's shape?

 - What type of support structure does a mussel have? (hint: external support)

 - What body structures are present? (p. 3 -- Are there arms, legs, head, ...?)

- Nervous System
 - Does the mussel have a brain? **[not available in booklet]**
 - Give some examples of how mussels sense and respond to its environment?

- Respiration
 - How does a mussel breathe?

- Circulation (heart & blood flow)
 - How is food & oxygen distributed through the body? **[not available in booklet]**
 - How are wastes removed?

- Feeding
 - How does it feed?

 - What do mussels eat?

- Habitat
 - Where do mussels live? [be specific about type of habitats]

- Movement
 - How is the organism able to move as an adult? How far does it travel?

 - How do young mussels get carried upstream?

- Life Cycle
 - What are the four stages of the mussel's life cycle? (briefly describe each stage)

 - How long do they live? Do all species have the same life span? (include specific values)

- Defenses
 - What predators do the mussels have?

 - How is the mussel able to protect itself?

- List two other mussel facts not previously mentioned:
 - 1.

 - 2.

Introduced Bivalves (pp 41 - 42)

- What advantage does the Asian Clam have over native mussels?

- Where do Zebra Mussels come from originally?

- Why are Zebra Mussels described as “one of the most destructive nonnative aquatic species ever to reach the North American continent”?