1. What is the meaning of the term "mollusk?"

2. Identify from shells or drawings the following:
   a. Mantle
   b. Foot
   c. Teeth
   d. Ribs
   e. Valve
   f. Dorsal border
   g. Apex
   h. Operculum
   i. Canal

3. Are all shells found on beaches? ________________________________
   Where else are they found? ________________________________
   What areas of the world offer the largest variety of shells?

4. Describe the movement of shells from place to place.

5. How do shell animals protect themselves?

6. How are shells made and from what materials are they made?
7. List and explain five uses made of shells by man.
   1. 
   
   2. 
   
   3. 
   
   4. 
   
   5. 
   

8. Explain the terms "univalve" and "bivalve" as applied to shells.
   Univalve 
   
   Bivalve 
   

9. Name in common terms five different classes of shells and name in your collection a shell for each class.
<table>
<thead>
<tr>
<th>Classes of shells</th>
<th>Shell for each class</th>
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<tbody>
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<td>1.</td>
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</table>

10. Make a collection of 20 different shells, classify them, and tell where each is found and when it came into your possession.
11. What is the source of pearls? ____________________________

What spiritual lessons does the pearl teach us? Read and discuss Christ's Object Lessons by Ellen G. White, pages 115 to 118.

Lesson 1 __________________________________________________

__________________________________________________________

Lesson 2 __________________________________________________

__________________________________________________________

12. Match the Bible texts that best answers A-J:

a. Water creatures were created on what day? Leviticus 11:9,10, Acts 16:14

b. The number of water creatures is innumerable. Isaiah 50:2, Revelation 21:21

c. Water creatures perish out of water. 1 Timothy 2:9

d. Job considered coral of great value. Genesis 1:20, 21

e. Solomon was acquainted with marine life. 1 Kings 4:33

f. Jesus twice used a shell product to teach a spiritual lesson. Psalms 104:25, Matthew 7:6; 13:45,46

g. A businesswoman was engaged in selling the famous purple dyes secured from the shellfish Mediterranean Murex. Job 28:18

h. Paul does not support the wearing of pearls.

i. Shell creatures are unfit for food.

j. The twelve gates of Holy City are twelve pearls.
Shells, Advanced

1. Have the Shell Honor.

2. Define the term "mollusca" or "mollusk."
   Mollusca __________________________________________________
   _________________________________________________________
   Mollusk _________________________________________________
   _________________________________________________________

3. Learn the classification terms of mollusks, know the distinguishing characteristics of each, and become acquainted with several species under each class.

<table>
<thead>
<tr>
<th>Classifications</th>
<th>Characteristics</th>
<th>Species</th>
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</table>
4. Distinguish between univalve and bivalve mollusks from the following considerations:

   Univalve __________________________________________________
   ___________________________________________________________
   ___________________________________________________________
   ___________________________________________________________

   Bivalve __________________________________________________
   ___________________________________________________________
   ___________________________________________________________
   ___________________________________________________________

5. Identify from shells or drawings and know the meaning of the following conchological terms:
   Valve _____________________________________________________
   ___________________________________________________________
   Apex _____________________________________________________
   ___________________________________________________________
   Aperture ___________________________________________________
   ___________________________________________________________
   Byssus ___________________________________________________
   ___________________________________________________________
   Canal ____________________________________________________
   ___________________________________________________________
   Concentric lines ___________________________________________
   ___________________________________________________________
   Epidermis __________________________________________________
   ___________________________________________________________
   Foot ______________________________________________________
   ___________________________________________________________
   Lips ______________________________________________________
6. Explain the development of a shell.

How long do mollusks live?

7. Give some facts about the life of a strombus pugilis (fighting conch) and explain why this shell is so named.
8. Explain the activities of the shipworm.


10. Name two mollusks that have no shells.
   1. ____________________  2. ____________________

11. Find answers for the following interesting questions:
   a. How are bivalve and univalve animals fastened to their shells?
      Bivalve ____________________
      Univalve ____________________
   b. How is shell color controlled? ____________________
   c. What mollusk has four gills? ____________________
   d. From what sea animal was India ink formerly made? _________
   e. What mollusk spins a silken thread? ____________________
   f. What shells were used for money by ancient tribes? _________
   g. What shell is considered sacred by the Tibetans? _________
   h. Purple dye of ancient times came from the secretion of what mollusk? ____________________
   i. What is the source of pearls? ____________________
How are they formed? ___________________________________

12. Name six commercial uses for shells.
   1. __________________________
   4. __________________________
   2. __________________________
   5. __________________________
   3. __________________________
   6. __________________________

13. Do one of the following:
   a. Personally find and collect 40 species of shells representing the
      five classifications. List each shell as to the place and date it was
      found, common name, scientific name, and class.
   b. Make a collection of 50 species of shells you have found,
      received, or purchased representing the five classifications. List
      each shell collected as follows: if personally found, give the
      information called for under letter "a" above; if received or
      purchased, give the name of the person from whom the shell was
      received, the habitat of the shell, the date of its acquisition, and its
      common name, scientific name, and class.

Date completed ____________ Instructor’s Signature ____________________