

## UMBRELLA CHART FOR LESSON 4 Answer Key

Various student responses may be given here. All students are encouraged to respond as they reflect back on what they learned. The comments in red reflect the general possibilities.

Key Questions from the Clam Project lessons:

What can we expect?

Will we find all of the clam containers?

Will the nets be on all of the containers?

Will the containers be in the same place as we planted them?

Will we find all of the containers from the high water mark? the middle tidal zone? the lower tidal zone?

Will the clams from one area look the same as those from another area?

Will the clams still be in the containers?

Will the clams be alive?

What else (other organisms) will be in the containers?

We found all/some containers; There was mud all over everything; It was hard to dig the containers out; We could not see the clams under the mud; It was just as easy/difficult to move about on the flats as it was in the spring; We have to tag and bag each container with a label that only that container can have; We had to tow the containers back to the truck in totes; The containers can be stored in a cool place until next week when we will see what survived;

Because a discussion concerning what the students have learned is essential to applied research of any kind, the Instructor is encouraged to extend this lesson with a discussion about "What does this mean?" and "How could this information be used?" After the discussion, students could new information to the umbrella chart. If they should fill one chart, supply another.

Responses might focus on the following:

We are hoping that we have found a way to protect clams; we did not see any sign that containers were disturbed at this location; we could tell clam diggers what we found out.