Unit 9 Kilo Moana

B. Coastal Ecosystem Cycles Pre-Test/Knowledge Survey

DIRECTIONS: Write the letter of the correct answer in the blank on the LEFT. Use capital letters only (e.g. ‘A’ not ‘a’). 1 point given for each correct answer.

1. _______ The four types of aquatic ecosystems are ...
   a) rivers, lakes, swamps, and tidepools
   b) rivers, streams, lakes, and ocean
   c) freshwater, wetlands, estuaries, and ocean
   d) freshwater, saltwater, brackish water, and ice

2. _______ The following organism is found in the benthic zone ...
   a) starfish
   b) lantern fish
   c) shark
   d) plankton

3. _______ Which of these is not a bio-geo-chemical cycle ...
   a) pyramid of biomass
   b) food web
   c) water cycle
   d) energy cycle

4. _______ Humans have altered the ____ and ______ cycles the least and the _____ and_____ cycles the most?
   a) nitrogen, phosphorus & water, carbon
   b) phosphorus, water & carbon, nitrogen
   c) nitrogen, water & carbon, phosphorus
   d) carbon, water & phosphorus, nitrogen

5. _______ The method I use to model a pond could also create a model of ...
   a) a house
   b) an airplane
   c) money in my house
   d) ingredients in a cake
Unit 9 Kilo Moana

Post-Test

**Part B. Coastal Ecosystem Cycles**
Conceptual Learning & Alternate Assessment

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Directions: Write, speak or perform your answers as directed below.

6. Draw a model showing the inputs, outputs and changes of food within your kitchen. Be descriptive.

7. Choose from one of the projects below and be ready to share your answers with the class. (pick just one – you may also write brief notes on another page if you wish):

   a. Make a list to describe all of the ways humans have changed, added, increased or decreased one of the cycles we talked about.

   b. Take a collection of photographs or cut out pictures that show each part of a cycle (choose one of the four we studied). Give a caption that states how the picture is illustrating an effect on one of the cycles.