Numinbah Environmental Education Centre

Mountain to Mouth - Pre Excursion Quiz

Name: ____________________________   Date of Visit:  _______________________________
School: ________________________________________ _______________________________________

-Please complete this quiz and bring it with you to the excursion as it forms part of the Assessment Data for Numinbah Environmental Education Centre-

1. A catchment can be described as
   a. An area of land that gets wet when it rains
   b. An area of land that drains into a river
   c. A river system that supplies a dam or reservoir
   d. A body of water where you can catch fish.

2. The geological formations of Numinbah Valley are a result of:
   a. Movement of large ice sheets
   b. An eroded extinct volcano
   c. Collision of tectonic plates
   d. Erosion caused by an earthquake

3. Which of the following answers is incorrect? Rivers are important systems because they:
   a. Are a source of water for use by humans
   b. Provide habitat for terrestrial and aquatic life
   c. Flush away all of the pollution to the ocean
   d. Provide a corridor for animals to move through

4. What is the best reason for gathering chemical and physical data of a waterway?
   a. To have a historical record for climate change research
   b. To have an accurate measure of the health of the waterway and to determine management strategies
   c. To assess the quality of the water going into the dam
   d. To find the best place to go fishing

5. Recording the biological diversity of invertebrates in a waterway is important because:
   a. Biodiversity of a waterway is a strong indication of the catchment’s health
   b. The presence of sensitive species indicates that the catchment is healthy
   c. Both biodiversity and the presence of sensitive species determines the health of the catchment
   d. All of the above

6. Riparian vegetation is not responsible for which of the following functions:
   a. Filtration of chemicals in runoff
   b. Geological composition of the river bed
   c. Provision of habitat for native species
   d. Stabilisation of sediments

7. Which answer best describes a healthy riparian zone?
   a. Native vegetation is disturbed, many weeds are present, and most of the soil is exposed
   b. Native vegetation is disturbed, some weeds are present, soil is covered by pasture
   c. Native vegetation is intact, some weeds are present, and some of the soil is exposed
   d. Native vegetation is intact, few or no weeds are present, and the soil is undisturbed

8. Which of the following are sources of nutrient pollution in a waterway?
   a. Animal manure, erosion, fertilisers
   b. Sewage, animal manure, fertilisers
   c. Pesticides, herbicides, weeds
   d. Pesticides, erosion, sewage

9. Select the answer which best represents what happens to a habitat when the water level in a dam is raised:
   a. The habitat is able to move further up stream
   b. The habitat quickly adapts to the new conditions
   c. The habitat is inundated with water and lost
   d. The habitat was not important in the first place

10. Mangroves are an important part of the coastal environment because they
    a. Stabilise sediment and prevent soil erosion
    b. Serve as a nursery for many fish species
    c. Provide important habitat for animal species
    d. All of the above