



Grade 5 – Form A

Task 1 – Lake Bubbles

Question 1

Key – C

Question 2

Key – Largemouth Bass in the top box (Largemouth Bass in #1)
Sunfish in the middle right box (Sunfish #4)
Water Plants in the bottom left box (Water Plants #3)
Invertebrates in the middle left box (Invertebrates #2)
Bacteria in the bottom right box (Bacteria #5)

Question 3

Key – B

Question 4

Key – “Organisms die and sink to the bottom of the lake” #5 in box 1
“Bacteria in the lake consume the organisms” #3 in box 2
“Methane is released as a waste product” #1 in box 3

Question 5

Key – The student should provide evidence showing that living things and bacteria are a part of the biosphere. The act of bacteria consuming a dead organism (decay) results in methane being released as a byproduct. The methane is released as a gas that does not dissolve in water and will enter the atmosphere.

Task 2 – Plant Problem

Question 1

Part A Key – C

Part B Key – A, B, E, F

Question 2

Part A Key – B

Part B Key – C

Question 3

Key - #4 “Java moss, a water plant commonly used in aquariums, is found in lakes with nutrient-rich water”

Question 4

Key – B, F

Question 5

Key – air, water, oxygen, sunlight, carbon dioxide