

Name_____

Date_____

Unit 3- Chapter 1 Study Guide

Vocabulary:

Draw a line from the correct word to each definition.

survive	is a person who uses science knowledge to design something in order to solve a problem.
engineer	is a living thing, such as a plant or an animal.
inference	to stay alive.
organizm	something you figure out based upon observations and what you already know.
Biomimicry Engineers get their ideas from...	All the living and nonliving things in an area make up an ...
environment	a group of the same kind of organism living in the same area make up a...
air, water, food, protection	observing the traits of living organisms, like the shape of a fly's wing
population	What are some things most organisms need in its environment in order to survive?

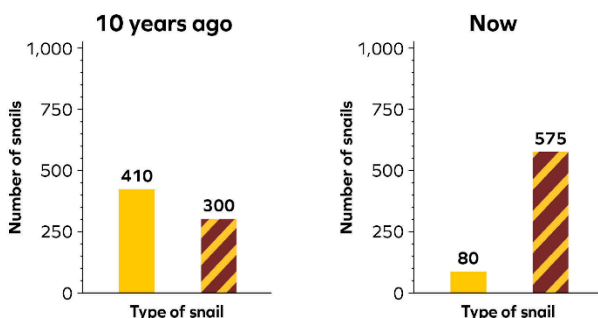
A Red Eye Tree Frog needs a lot of water to keep their skin moist. What environment will meet that need?	a) more likely to survive
When it's easy for organisms to meet their needs in their environment, they are	• It answers a question about how or why something happens. • It describes things that are not easy to observe. • It is based upon ideas you have learned from investigations and text.
observations or measurements recorded in an investigation are known to be..	a) the Tropical Rainforest where there is a lot of rain.
What is a Scientific Explanation?	a) data

Is this **fish likely to survive** in this environment? Why or why not?



What do the bar graphs show us about the number of snails with yellow shells this year versus 10 years ago?

Grove Snail Population Data



a) The number of snails with yellow shells has gotten **smaller** over the last 10 years.

b) The number of snails with yellow shells has gotten **larger** over the last 10 years.

Scientific Explanation:

Snail with yellow shell



Why are the snails with yellow shells less likely to survive than the snails with banded shells? Use the data learned in class to explain.

Snail with banded shell