

Name: _____

Core: _____

BIOMES OF THE WORLD

Prior Knowledge Questions:

a. What is an ecosystem? ***answers will vary-...all the living and non-living things that interact in a certain environment**

b. Below are the units of ecological organization that we will explore today. Put them in order starting from the smallest unit (1) going to the largest unit (5). Label them 1-5:

Ecosystem	Population	Species	Community	Biome
4	2	1	3	5

c. Sort the following as either **biotic** or **abiotic** factors:

Word Bank:

sun cactus mountain glacier human
fox rainfall tree temperature bacteria

Biotic	Abiotic
Fox Cactus Tree Human bacteria	Sun Rainfall Mountain Glacier Temperature

What do Tim & Moby say about ECOSYSTEMS?

Want to watch the video again? Go to **Ecosystems Brainpop**

(Username: **nfmsbrain** password: **pop**)

Word Bank:

Species

Abiotic

Communities

Biotic

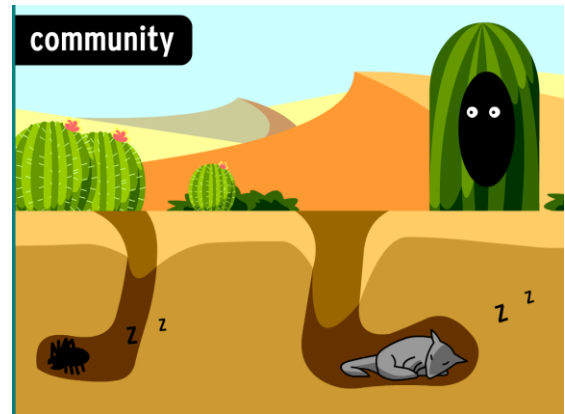
Ecosystems

Populations

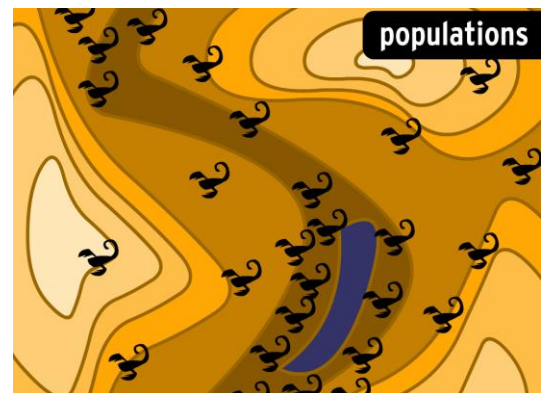
Interact

- **Ecosystems** are made up of living and non-living things that **interact** with each other. *Living* things in an ecosystem are **biotic** factors. *Non-living* things in an ecosystem are **abiotic** factors.

- Ecosystems are made up of **communities**, or a group of *populations* living in a particular area. (*Ex: The desert ecosystem is made up of cacti, kangaroo rats, scorpions, and even owls.*)



- *Communities* are made up of **populations**: a group of the same **species** living in a particular area. (*Ex: Communities in a desert contain a population of scorpions.*)



What do Tim & Moby say about **BIOMES?**

Want to watch the video again? Go to **Biomes Brainpop**

Word Bank:

Altitude	Abiotic	Biome	Temperature
Interdependent	Support	Ecosystems	

(Username: **nfmsbrain** password: **pop**)

- A **biome** is an **interdependent** system of plants, animals, and land.
- These are made up of many similar **ecosystems** and have similar climates.
- Factors such as **temperature**, rainfall, and **altitude** all decide what type of plant and animal life a biome can **support**. These are **abiotic** factors, or non-living factors, that affect life in an ecosystem/biome.
- There are 6 major biomes on Earth. List them below. *(These are not in your word bank!)*
 - 1. Tundra**
 - 2. Coniferous Forest (Taiga)**
 - 3. Deciduous Forest**
 - 4. Desert**
 - 5. Grasslands**
 - 6. Tropical Rainforest**

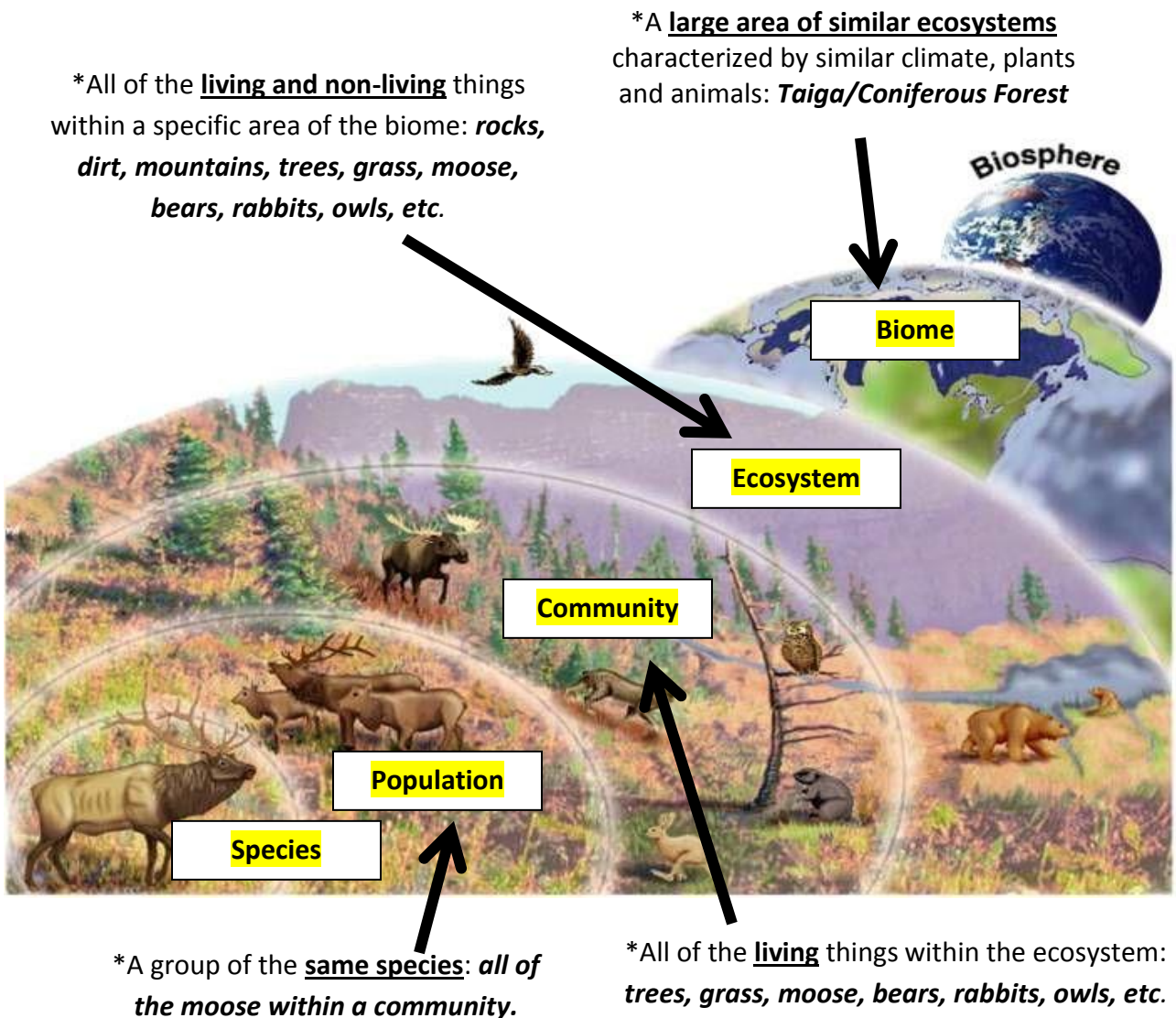


YOUR TURN!

- a. Now that you have learned a little more about biomes, put the following terms in order starting from the smallest unit (1) going to the largest unit (5). Label them 1-5:

Ecosystem	Population	Species	Community	Biome
4	2	1	3	5

- b. Complete the graphic organizer below using the following terms:
Ecosystem, Population, Species, Community, Biome



- c. Color each biome a distinct color in the map below.
Be sure to include a key!

