

Name: \_\_\_\_\_

Answer Key

## Ethiopian Highlands

Describe three abiotic factors that influence this ecosystem.

- a. sulfuric acid
- b. lava flowing through crust
- c. dome of rock, spires and canyans
- 70 million years ago  
3 miles high  
- formed by volcanic activity

**Gelada Baboon** (Describe one or more adaptation of this animal)

- good climbers
- fearless
- chatter (social)
- largest groups
- strongest fingers
- their diet consists mainly of grass

**Walia Ibex** (Describe one or more adaptation of this animal)

- drop guard when baboon around

What is the relationship between Gelada Baboons and Walia Ibex?

\* they look out for each other because they have a common predator

**Ethiopian Wolves** (Describe one or more adaptation of this animal)

What is the relationship between Gelada Baboons and Ethiopian Wolves?

predator - prey relationship

## Torres de Paine National Park, Chilean Patagonia

Describe three abiotic factors that influence this ecosystem.

- equator to South America - 5000 miles long
- unstable weather - frequent storms
- quick drops in temperature - avalanches
- all seasons in one day - steep slopes

**Guanacos** (Describe one or more adaptation of this animal)

- fur - thick for changes in weather
- groups not alone

**Pumas** (Describe one or more adaptation of this animal)

- Solitary + secret
- 1 summer to teach mountain survival techniques to cubs.

What is the relationship between Pumas and Guanacos?

Predator - prey

## The Rocky Mountains

Describe two abiotic factors that influence this ecosystem.

- high altitudes loose boulders
- Snow - steep mountains - constant avalanches  
2 miles high

**Grizzly Bear** (Describe one or more adaptations of this animal)

- hibernation during long winter months
- live on slopes in winter for safety from male bears

Describe the relationship between Grizzly Bears and Moths?

①  
Predator - Prey

moths are rich in fat

Chitral Gol National Park

Describe two abiotic factors that influence this ecosystem.

a. 5 miles high

biggest glacier

b. Permanent snow

43 miles long  
high peaks

cold  
5 miles wide.

**Snow Leopard** (Describe one or more adaptation of this animal)

- thick fur for mountain climate

- paws for grip long tail for balance

Eastern Himalaya

The Panda eats a species of bamboo that has very low nutritional value. Why does it choose a food source like this, instead of something more nutritious? What type of relationship is the Panda trying to avoid?

②  
It is trying to avoid a relationship where the Panda is dependant on seasonal food

Because only grows in one area

Discussion Question:

Nothing lives at the top of Mt. Everest because the altitude is so high. What is the biggest change in climate that occurs as you increase altitude?

5 1/2 miles high

A change in temperature which impacts what can grow + survive -