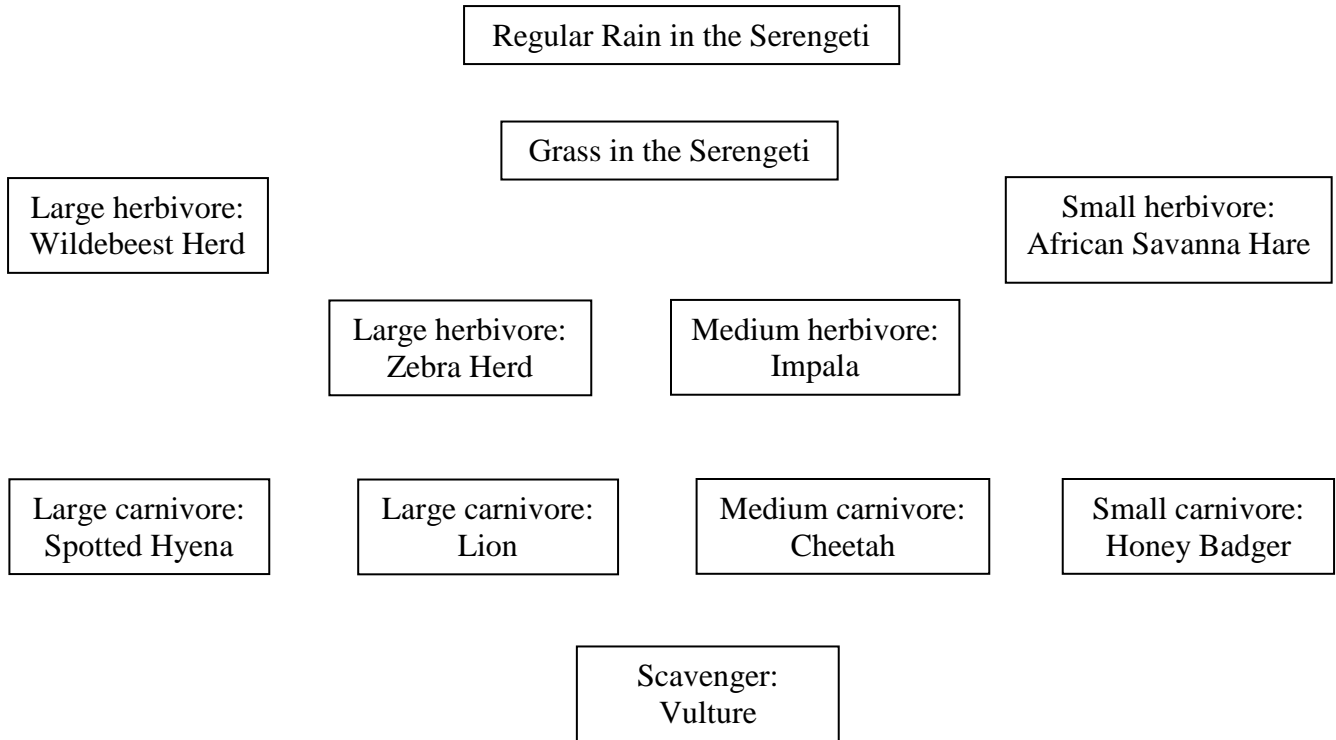


Where the Wild Things Are: Student Worksheet

SCENARIO ONE:

The Wet Season

1. Draw the connections between the animals your group created



The Dry Season

2. Draw the connections between the animals your group created. If an animal chooses to migrate, cross out the box in the Serengeti and redraw it in the Masai Mara.

THE SERENGETI PLAINS

Little Rain in the Serengeti

Grass in the Serengeti

Large herbivore:
Wildebeest Herd

Small herbivore:
African Savanna Hare

Large herbivore:
Zebra Herd

Medium herbivore:
Impala

Large carnivore:
Spotted Hyena

Large carnivore:
Lion

Medium carnivore:
Cheetah

Small carnivore:
Honey Badger

Scavenger:
Vulture

THE MASAI MARA

Regular Rain in the Mara

Grass in the Mara

1. What animals are forced to migrate when the dry season comes? Why?

2. List the food sources of the large carnivores (hyenas and lions):

<u>The Wet Season</u>	<u>The Dry Season</u>
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3. How do the relationships between the predators change when the dry season comes?

4. How long is the longest connection to rain in the network you built?

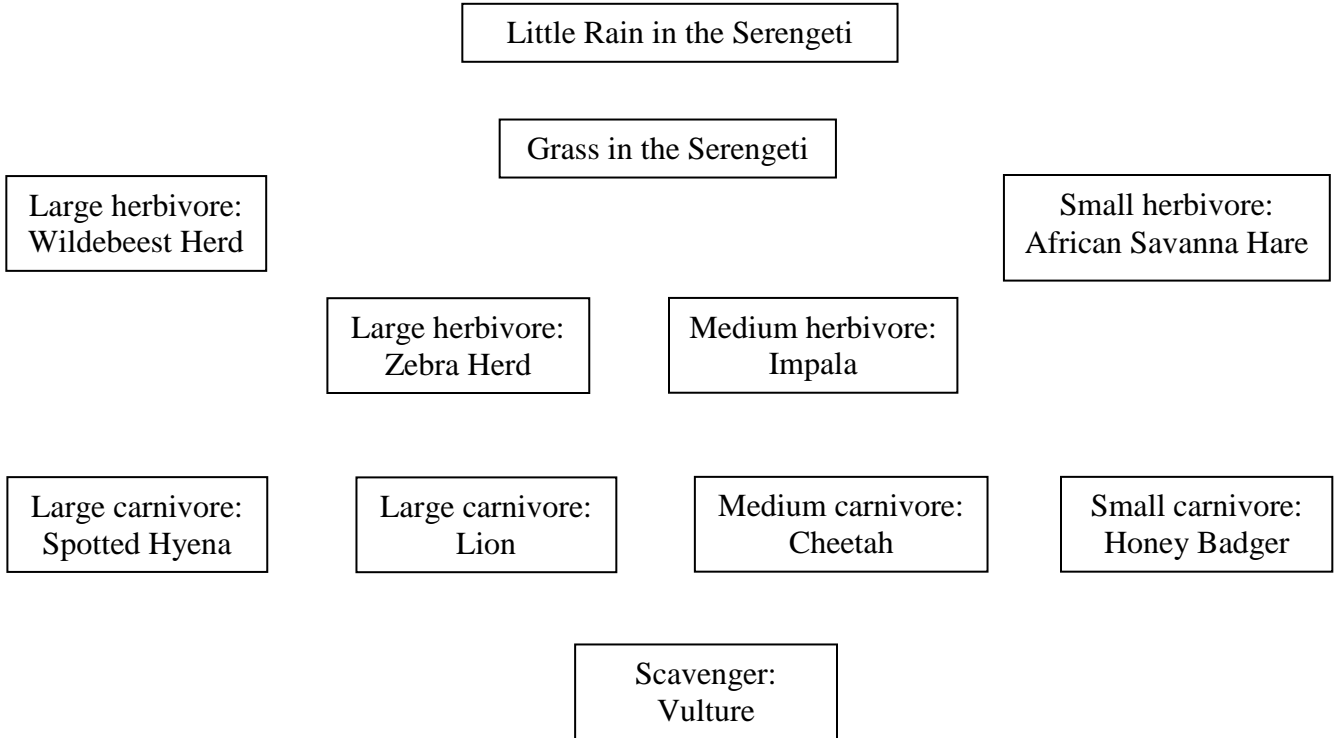
5. Suppose climate change dramatically alters the patterns of rain in both the wet and dry season. Which animals will be affected?

SCENARIO TWO: Walls around Wildlife Reserves

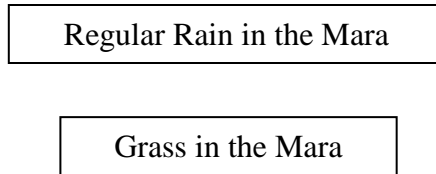
The Dry Season

1. Draw the connections between the animals your group created during the dry season. If an animal goes extinct, cross it out with an X.

THE SERENGETI PLAINS



THE MASAI MARA



SCENARIO THREE: Human-Animal Conflicts

The Dry Season

1. Draw the connections between the animals your group created during the dry season. If an animal chooses to migrate, cross out the box in the Serengeti and redraw it in the Masai Mara. If an animal goes extinct, cross it out with an X.

THE SERENGETI PLAINS

Little Rain in the Serengeti

Grass in the Serengeti

Large herbivore:
Wildebeest Herd

Small herbivore:
African Savanna Hare

Domestic Cattle

Large herbivore:
Zebra Herd

Medium herbivore:
Impala

Large carnivore:
Spotted Hyena

Large carnivore:
Lion

Medium carnivore:
Cheetah

Small carnivore:
Honey Badger

Scavenger:
Vulture

THE MASAI MARA

Regular Rain in the Mara

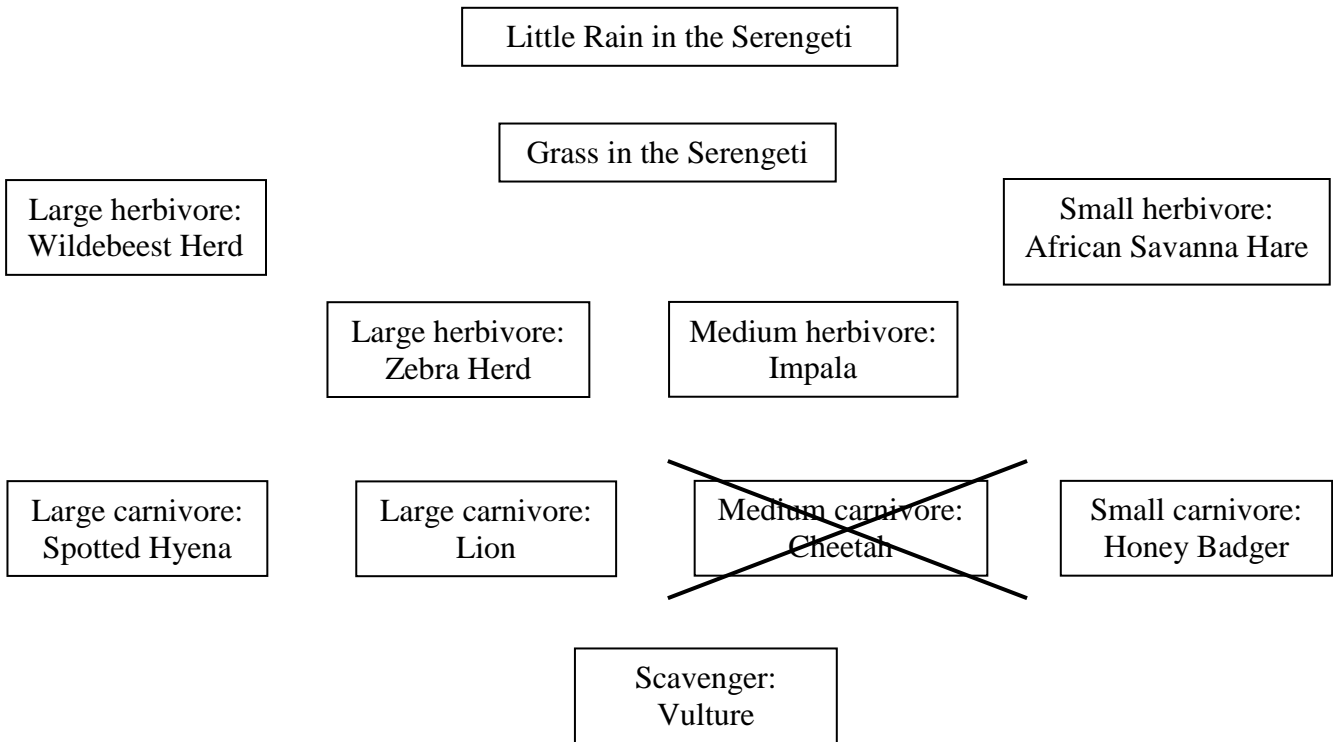
Grass in the Mara

SCENARIO FOUR: the Extinction of the Cheetah

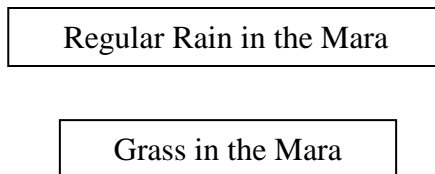
The Dry Season

1. Draw the connections between the animals your group created during the dry season. If an animal chooses to migrate, cross out the box in the Serengeti and redraw it in the Masai Mara. If an animal goes extinct, cross it out with an X.

THE SERENGETI



THE MASAI MARA



SCENARIO TWO Questions

1. What animals go extinct if you put walls around wildlife reserves in the Serengeti?
2. What would happen to carnivores that live in the Masai Mara (not on your network) if you put walls around wildlife reserves in the Serengeti?
3. If these animals are now permanently removed from the food web, how do you think the other animals in the Serengeti might be affected years down the road?
4. How would you design your wildlife reserve if you were manager interested in protecting the African wildebeest?

SCENARIO THREE: Human-Animal Conflict

1. How do human-animal conflicts change between the wet and dry season?
2. Which animals might benefit from the fact that hyenas and lions can eat domestic cattle in the dry season?

