

Jacksonville Zoo and Gardens  
**Education Department**  
**Habitats & Geography**

**Before you visit the zoo, complete the following activities:**

What countries are included in East Africa?

|       |       |       |
|-------|-------|-------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

What countries are included in Central Africa?

|       |       |       |
|-------|-------|-------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

What countries are included in Southern Africa?

|       |       |       |
|-------|-------|-------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

What countries are included in Western Africa?

|       |       |       |
|-------|-------|-------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

What countries are included in North Africa?

|       |       |       |
|-------|-------|-------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

Describe each of the following habitats (name the dominant plant found or describe the type of vegetation found in each, list the amount of rainfall received and the average daytime temperatures):

|             | Kind of Plants | Rainfall | Temperature |
|-------------|----------------|----------|-------------|
| Desert      | _____          | _____    | _____       |
| Rain Forest | _____          | _____    | _____       |
| Savanna     | _____          | _____    | _____       |
| Mountains   | _____          | _____    | _____       |
| Scrub       | _____          | _____    | _____       |

**In Plains of East Africa at the zoo, name the animals that live in the habitats below:**

Desert

Scrub (semi-arid)

Savanna

Rain Forest

|       |       |       |       |
|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

Mountains

|       |       |       |       |
|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

Most of the animals on exhibit are herbivores or plant-eaters. Some are “browsers” and some are “grazers”. What is the difference between these two types of feeding strategies?

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Explain how browsers and grazers “share” the savanna in Africa.

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Pick one animal from each habitat that you listed above and describe the adaptations it has for surviving in its habitat.

|             | Animal | Adaptations |
|-------------|--------|-------------|
| Desert      | _____  | _____       |
| Scrub       | _____  | _____       |
| Savanna     | _____  | _____       |
| Rain Forest | _____  | _____       |
| Mountain    | _____  | _____       |

Identify and compare and contrast the two types of elephants:

\_\_\_\_\_ Elephant

\_\_\_\_\_ Elephant

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How much does one elephant eat and drink in a single day?

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Based on your answer above calculate how much a herd of 12 elephants eats and drinks each day.

12 elephants

12 elephants

X \_\_\_\_\_ lbs. of plants/day

X \_\_\_\_\_ gallons of water/day

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\_\_\_\_\_ lbs. of plants/herd/day

\_\_\_\_\_ gallons of water/herd/day

How much does this herd eat and drink each week?

\_\_\_\_\_ lbs. of plants/herd/day

\_\_\_\_\_ gallons of water/herd

X 7 days/week

X 7 days/week

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\_\_\_\_\_ lbs. of water/herd/week

\_\_\_\_\_ gallons of water/herd/week

How many elephants could survive in Duval County? \_\_\_\_\_

Why? \_\_\_\_\_

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Rocky, scrub-covered land forms in Africa are called kopjes. List some of the animals on exhibit that live in this kind of habitat (hint – there is a replica of an elephant skull in this exhibit):

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