

**CHAPTER** **Project Recording Sheet**

**1** **Animal Food Intake**

How does the amount of food that these animals eat compare to one another? Complete the chart to find the amount of food each animal would eat in a year. Make an estimate first then make the calculations.

**Food Intake**

Animal	Weight (lb)	Daily Food Intake (lb)	Estimated Food Intake per Year (lb)	Calculated Food Intake per Year (lb)
Elephant	11,000	660		
Hippopotamus	5500	90		
Giraffe	2500	75		
Buffalo	1500	45		
Zebra	950	30		

Does the weight of the animal determine how much it eats per pound?

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You can also compare the animals by using the relationship below:

**Daily Food Intake/Weight**

For example, the comparison of an African buffalo's food needs compared to its weight would be  $\frac{45 \text{ lb}}{1500}$  lb or 0.03 or  $\frac{3}{100}$ . This is read as "a buffalo needs three hundredths of a pound of food for every pound of body weight."

**Use the chart above to complete the following chart. Round each answer to the nearest hundredth.**

Which animal needs the most food per pound of body weight? \_\_\_\_\_

**Extension:** What things determine the amount of food that an animal needs?

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Animal	Daily Food Intake/Weight
Elephant	
Hippopotamus	
Giraffe	
Buffalo	
Zebra	