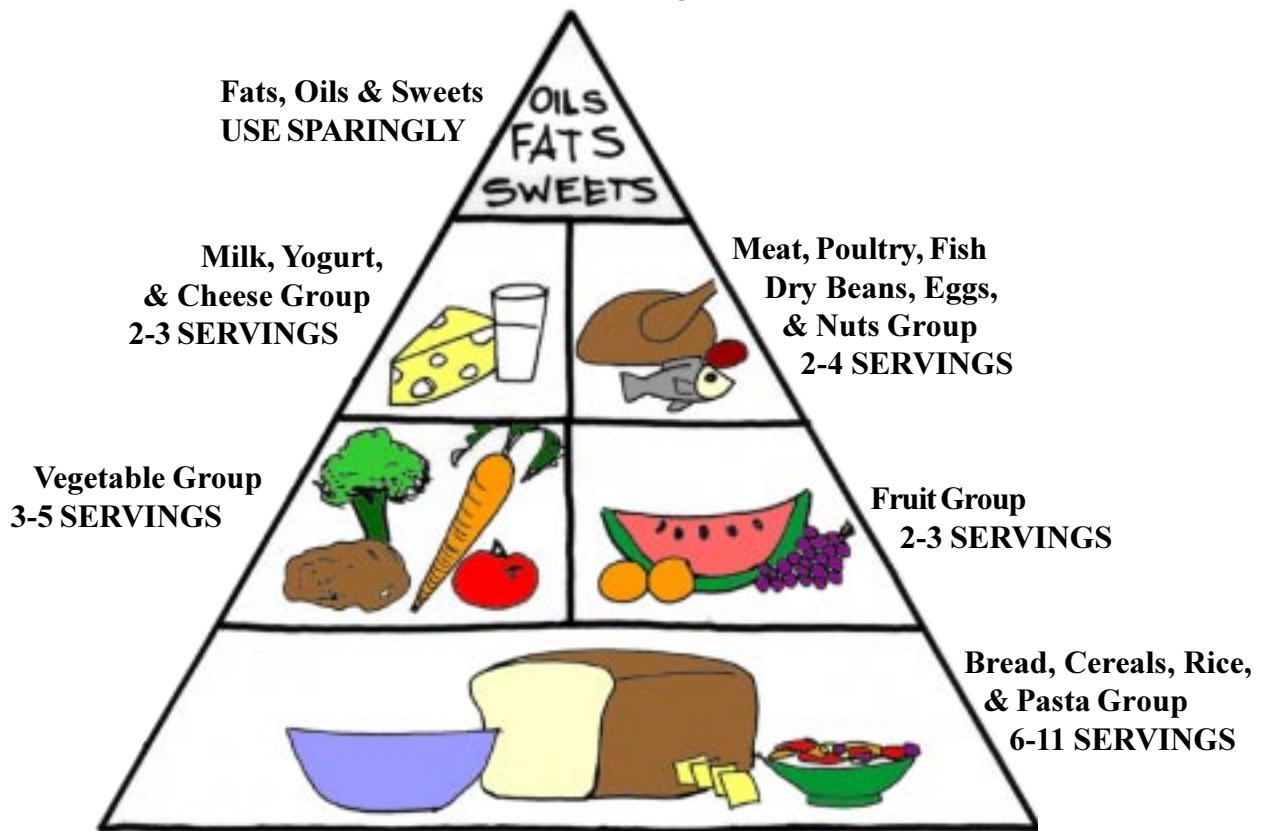


# USDA Food Pyramid

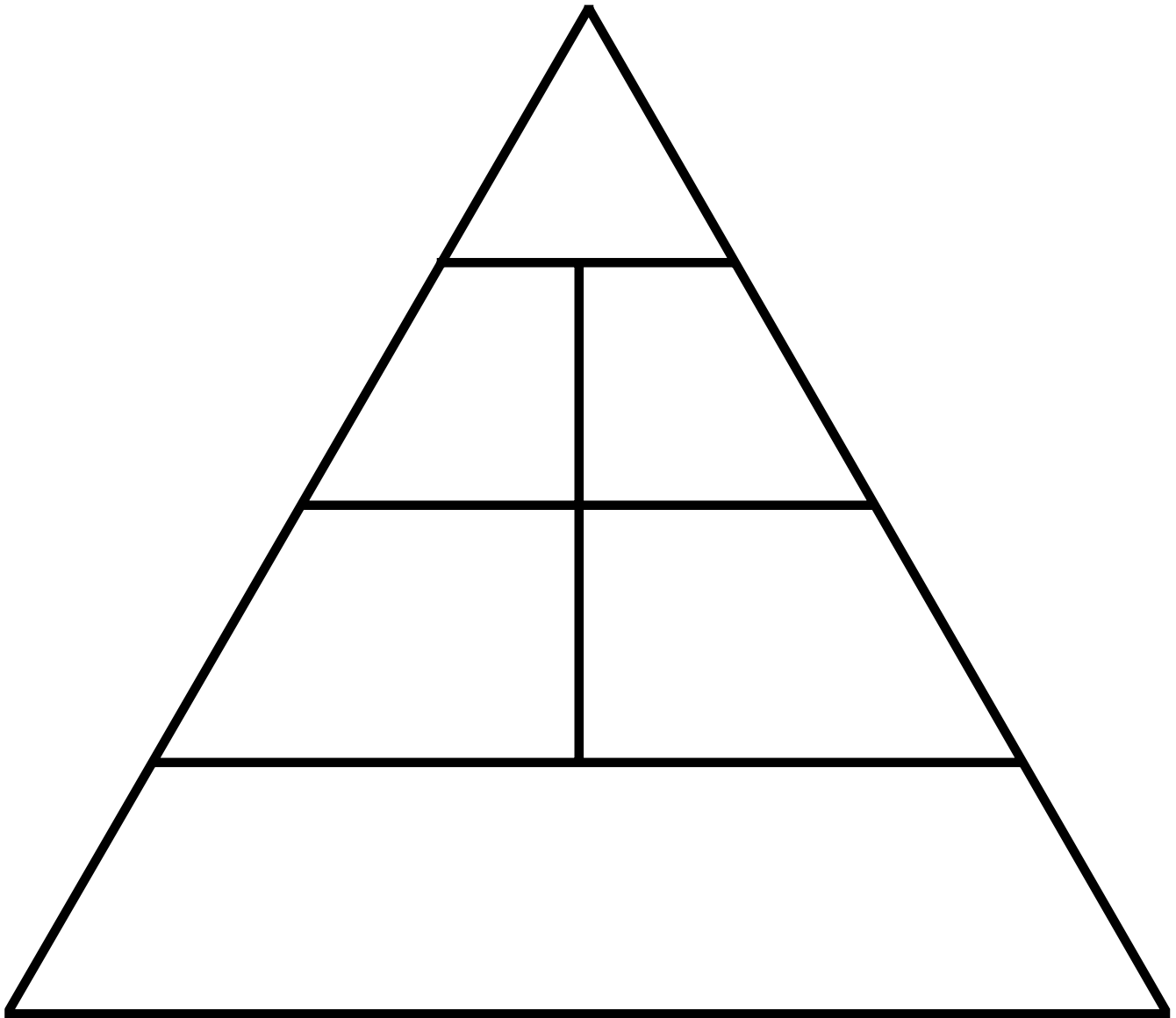


FOOD GROUP	SERVING SIZE			
	Bread Cereal, Rice and Pasta	1 slice of bread	1 ounce of ready-to-eat cereal	1/2 cup of cooked cereal, rice or pasta
Vegetables	1 cup raw leafy vegetables	1/2 cup of other vegetables, cooked or chopped raw	3/4 cup of vegetable juice	3-5*
Fruits	1 medium apple, banana, orange	1/2 cup of chopped, cooked, or canned fruit	3/4 cup of fruit juice	2-4*
Meat, Poultry, Fish, Dry Beans, Eggs, and Nuts	2-3 ounces of cooked lean meat, poultry, or fish	1/2 cup of cooked dry beans, 1 egg, or 2 tablespoons of peanut butter count as one ounce of lean meat		2-3*
Milk, Yogurt, and Cheese	1 cup of milk or yogurt	1 1/2 ounces of natural cheese	2 ounces of process cheese	2-3*
Fats, Oils, & Sweets	Use sparingly			

\* Recommended daily number of servings







## Draw Your Own Food Pyramid



## CONVERTING CORN TO MEAT....



<b>10 pounds of corn = 1 pound of beef</b>	
<b>4 pounds of corn = 1 pound of pork</b>	
<b>3 pounds of corn = 1 pound of chicken</b>	
<b>2 pounds of corn = 1 pound of catfish</b>	

1. How many pounds of beef can be produced from 1 bushel of corn?

\_\_\_\_\_

*(Answer:  $56 \div 10 = 5.6$ )*

2. How many pounds of pork can be produced from 1 bushel of corn?

\_\_\_\_\_

*(Answer:  $56 \div 4 = 14$ )*

3. How many pounds of chicken can be produced from 1 bushel of corn?

\_\_\_\_\_

*(Answer:  $56 \div 3 = 18.6$ )*

4. How many pounds of catfish can be produced from 1 bushel of corn?

\_\_\_\_\_

*(Answer:  $56 \div 2 = 28$ )*

5. Which animal or fish is the most efficient converter of corn into meat?

\_\_\_\_\_

*(Answer: catfish)*



6. How many bushels of corn will it take to raise a 220 pound pig?

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*(Answer:  $220 \times 4 = 880$  pounds  $880 \div 56 = 15.7$  bushels)*

7. How many bushels of corn will it take to raise an 80 # pig to 220 pounds?

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*(Answer:  $220 - 80 = 140$   $140 \times 4 = 560$   $560 \div 56 = 10$  bushels)*

8. If you have 50 bushels of corn how many pounds of beef can you produce?

---

*(Answer:  $56 \times 50 = 2800$  pounds  $2800 \div 10 = 280$  pounds beef)*

9. If you have 50 bushels of corn how many pounds of chicken can you produce?

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*(Answer:  $2800 \div 3 = 933.3$  pounds chicken)*

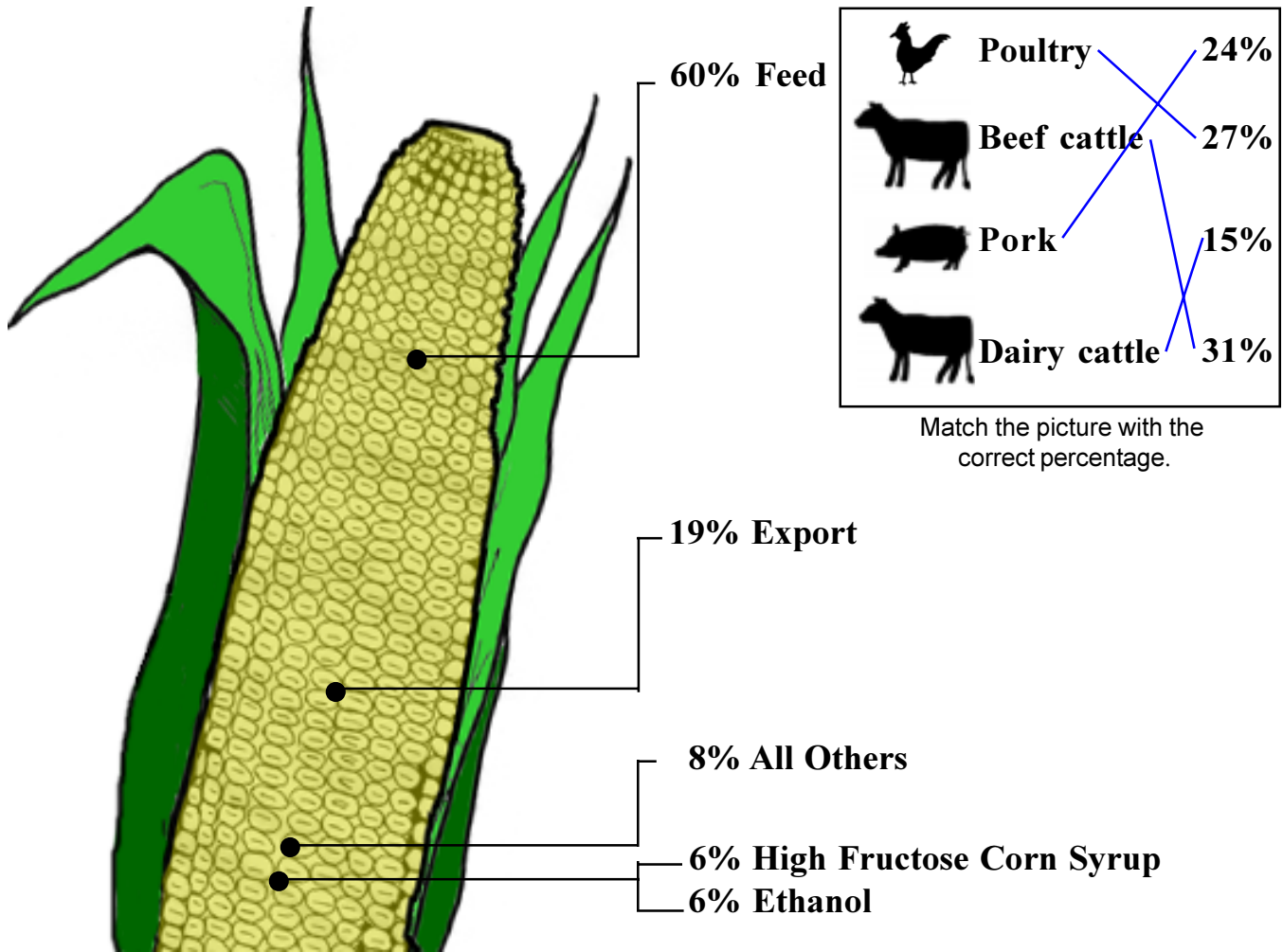
10. Bonus question:

If you raise 150 bushels of corn in an acre, and you have 1000 acres, how many 220 pounds pigs can you raise?

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*(Answers:  $150 \times 1000 = 150000$  bushels corn, each pig requires 15.7 bushels (see question 6)  $80$   
 $150000 \div 15.7 = 9554$  pigs)*





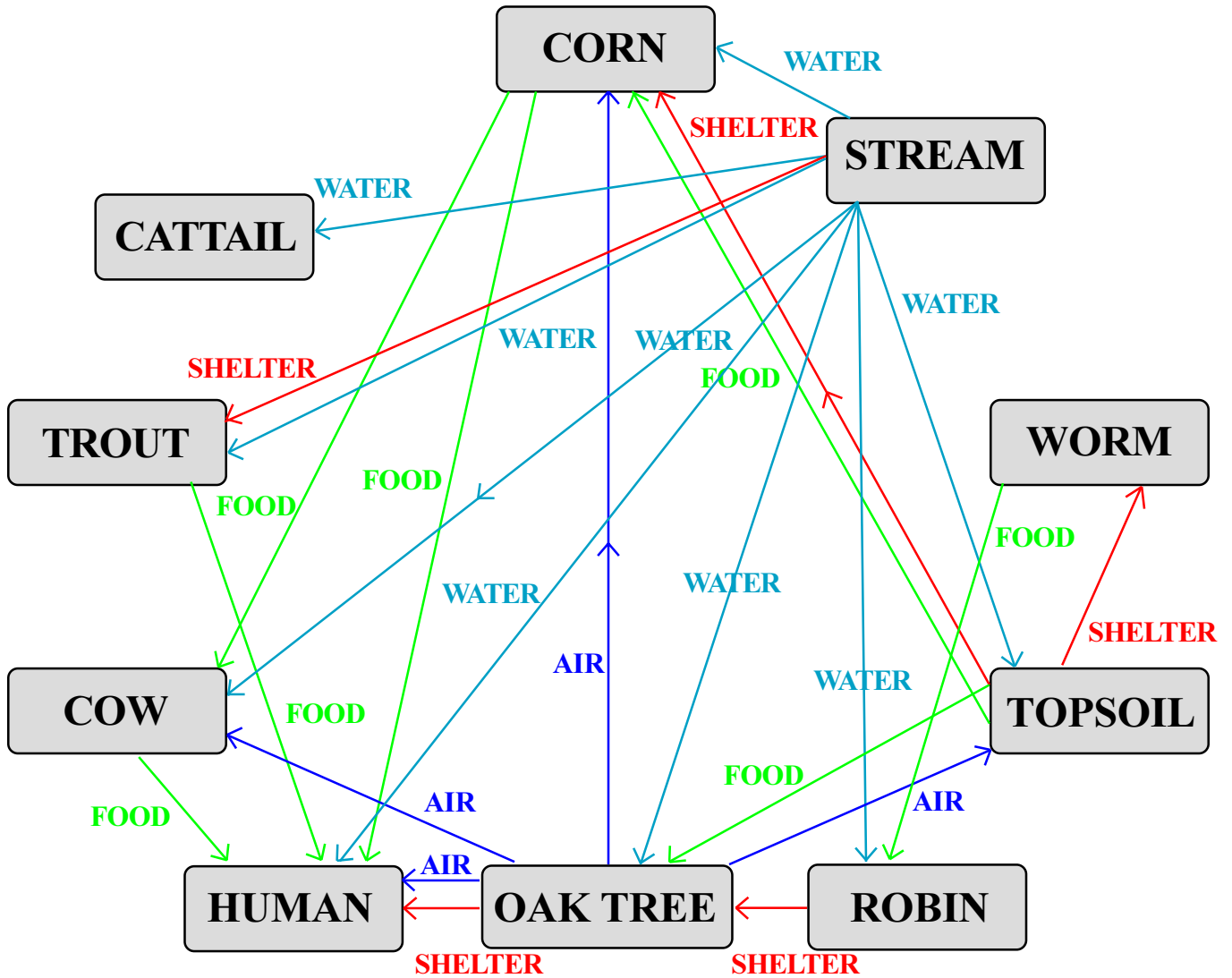
**MEATY NUMBERS**

Use the two charts to answer the following true and false questions:

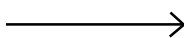
1. The dairy industry consumes more total corn than the poultry industry. \_\_\_\_\_
2. The pork industry used less corn in 1998 than it did in 1994. \_\_\_\_\_
3. The beef industry used more corn than any other livestock industry in the 1990s. \_\_\_\_\_
4. The poultry industry uses more than 50 percent of the total corn used for livestock production.  
\_\_\_\_\_
5. From year to year the dairy industry is the most consistent livestock market for corn. \_\_\_\_\_



# Web of Life



Students representing different organisms



Indicate from which organism the yarn originates and to which organism it is going to satisfy a need



# Farm Ecosystem

