

## The Importance of Nutrition Ch. 10

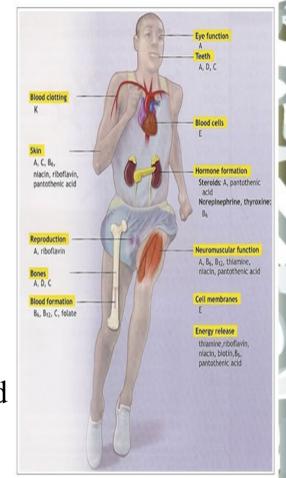
A. Why Nutrition Matters

Foods & Labels

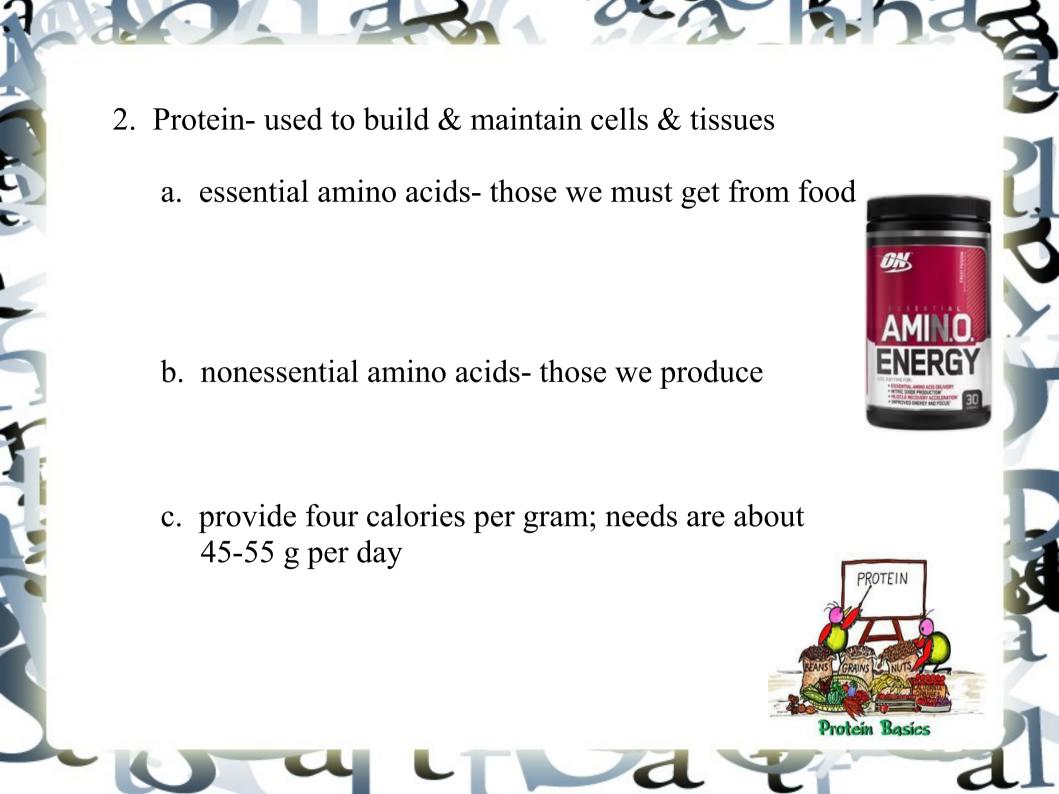
Tim Hawkins- fast food

1. What is nutrition?
The process by which your body takes in food

- 2. What are nutrients?
  Substances in food your body needs to grow, repair itself, and supply energy
- 3. What is a calorie?
  Unit of heat used to measure energy the body uses and energy received from food

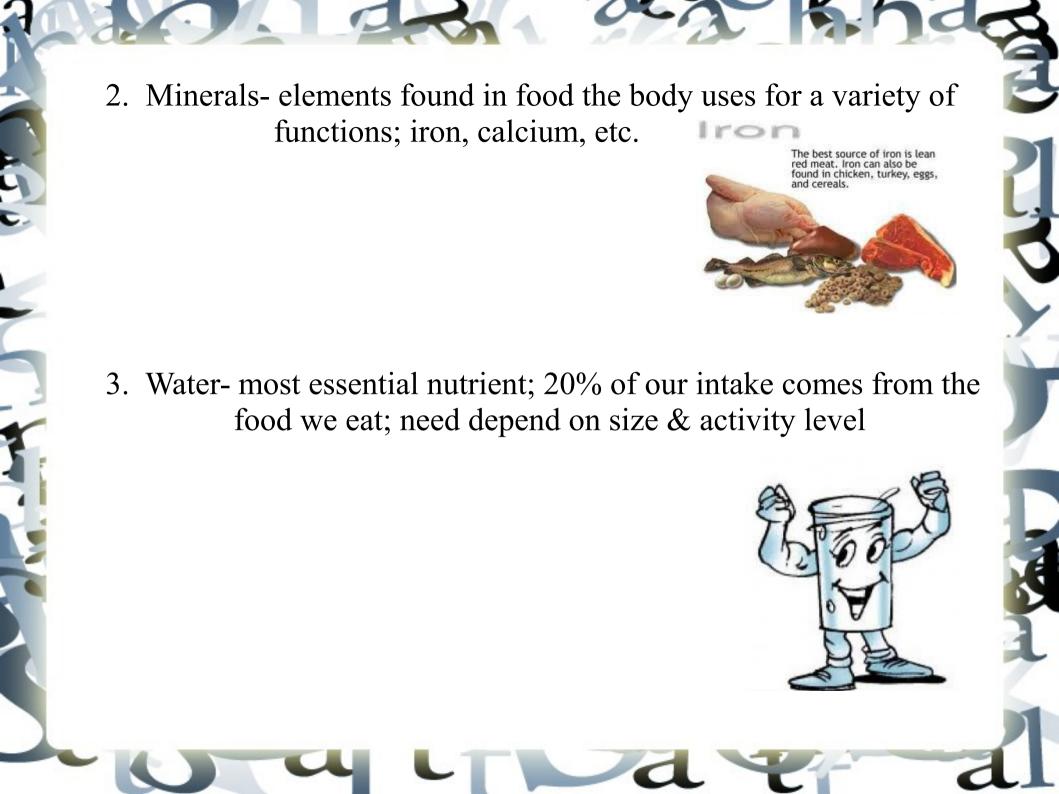


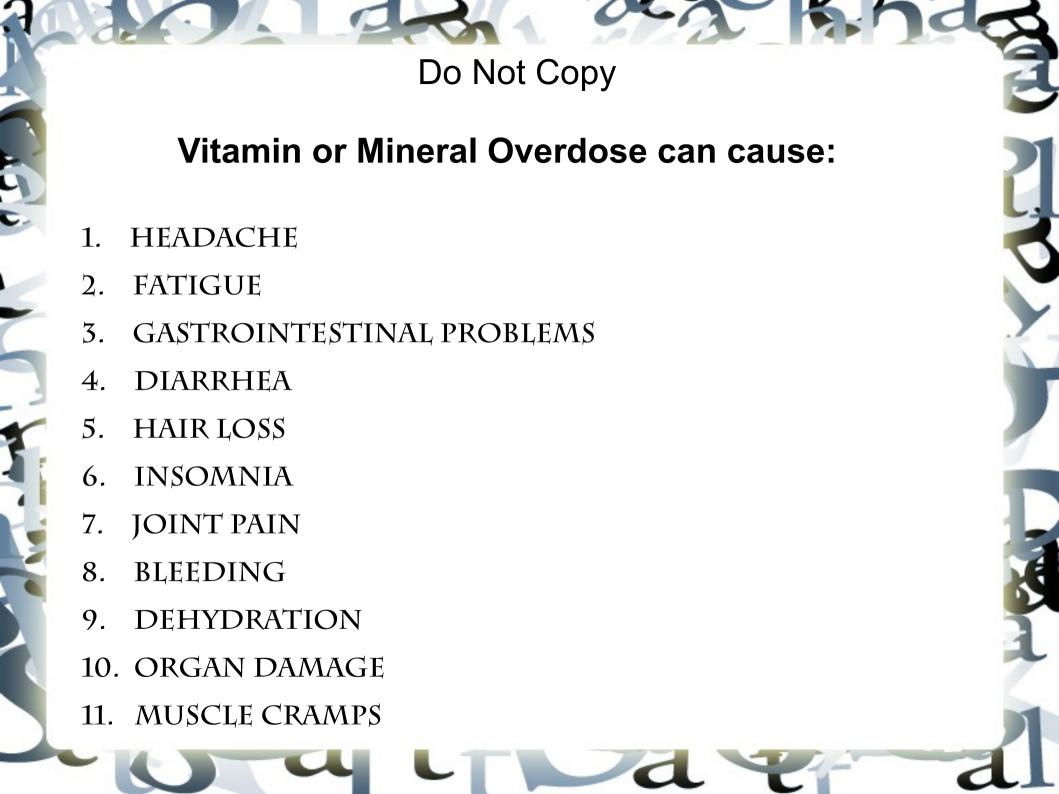
B. Nutrients That Provide Energy 1. Carbohydrates- body's main source of energy a. provides four calories per gram; needs are about 300 g per day b. the role of carbs- broken down into glucose, the main source of fuel Carbohydrate/Insulin Response carbohydrax McD's Cup Sizes Around the World

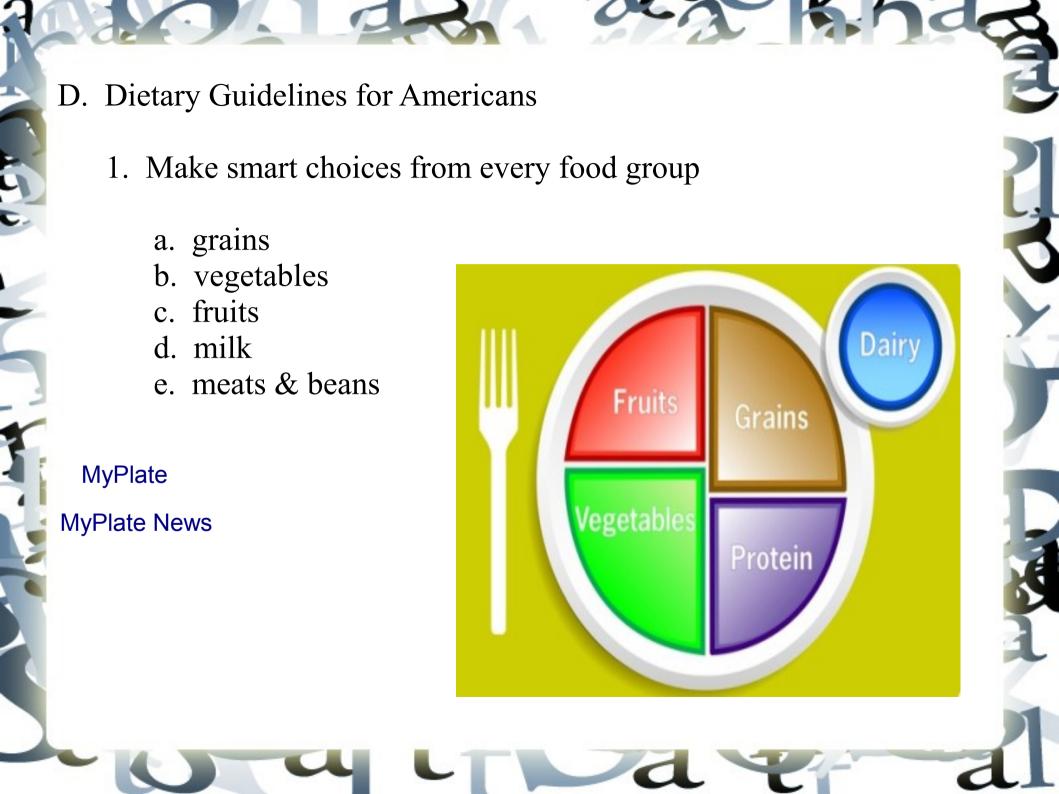


**Fast Food Aging** 3. Types of fats Chick-fil-A Song a. unsaturated- healthy fat b. saturated- may be an unhealthy fat c. trans fats- the worst fat d. fats have nine calories per gram; needs are 65-80 g per day or less

C. Nutrients That Do Not Supply Energy 1. Vitamins a. vitamins B, C, & folic acid are water-soluble you would never guess how many vitamin B group swallow at once. (hint: its about Water soluble vitamin C 28.) **Vitamins** Fat soluble vitamin A b. vitamins A, D, E, & K are fat-soluble vitamin D Vitamin E Vitamin K







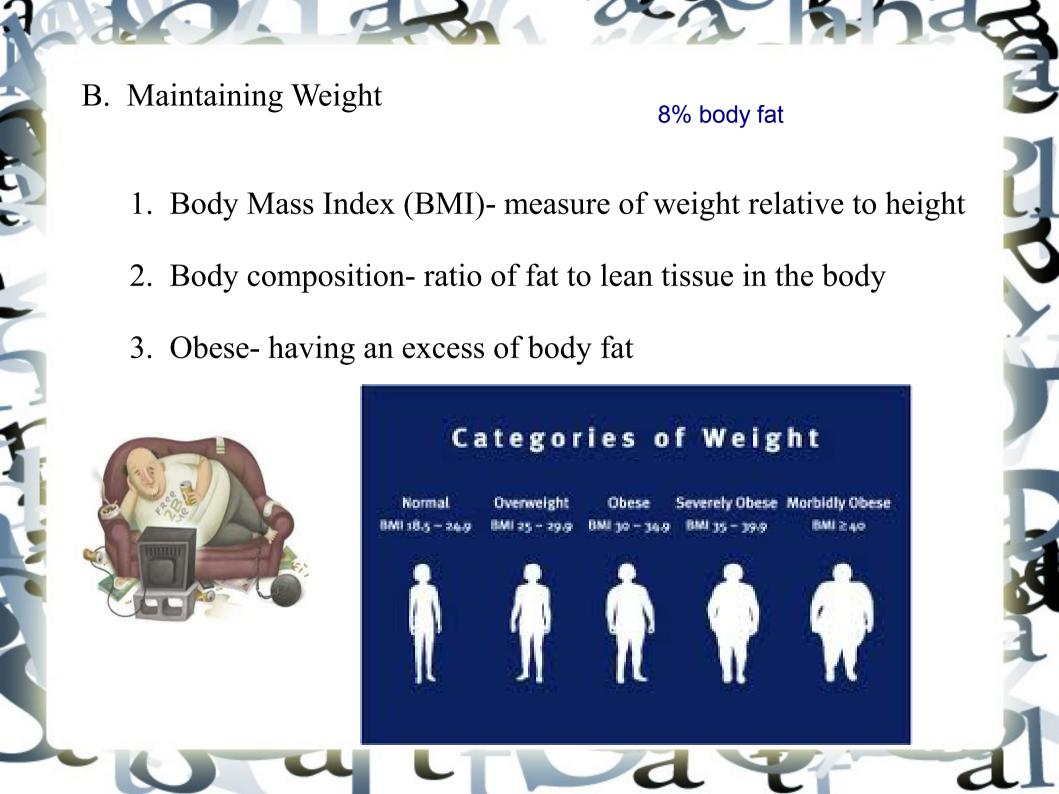
## **Best Foods** 1. Black beans 2. Salmon 3. Walnuts 4. Pumpkin 5. Apples 6. Blueberries 7. Strawberries 8. Bananas 10. Spinach 9. Broccoli 12. Kidney beans 11. Sweet potatoes 14. Eggplant 13. Red beets 15. Brussels sprouts 16. Tomatoes 17. Whole-wheat bread 18. Oranges 19. Lean meat 20. Flax seeds 21. Almonds 22. Tuna 24. Fat-free Greek yougurt 23. Fat-free milk 25. Dark chocolate 26. Extra-virgin olive oil 28. Oatmeal 27. Eggs 29. Avocado 30. Peanut butter 31. Popcorn 32. Sardines 33. Onions 34. Raspberries 35. Brown rice 36. Red peppers 37. Oysters 38. Beef liver 39. Mushrooms 40. Pomegranates

## Maintaining a Healthy Weight Chapter 11

The Calories in these items could:

A. The Calorie Connection

- 1. Your energy balance
  - a. metabolism- the process by which the body breaks down substances and gets energy from food
  - b. 3500 calories is equal to one pound of body fat

















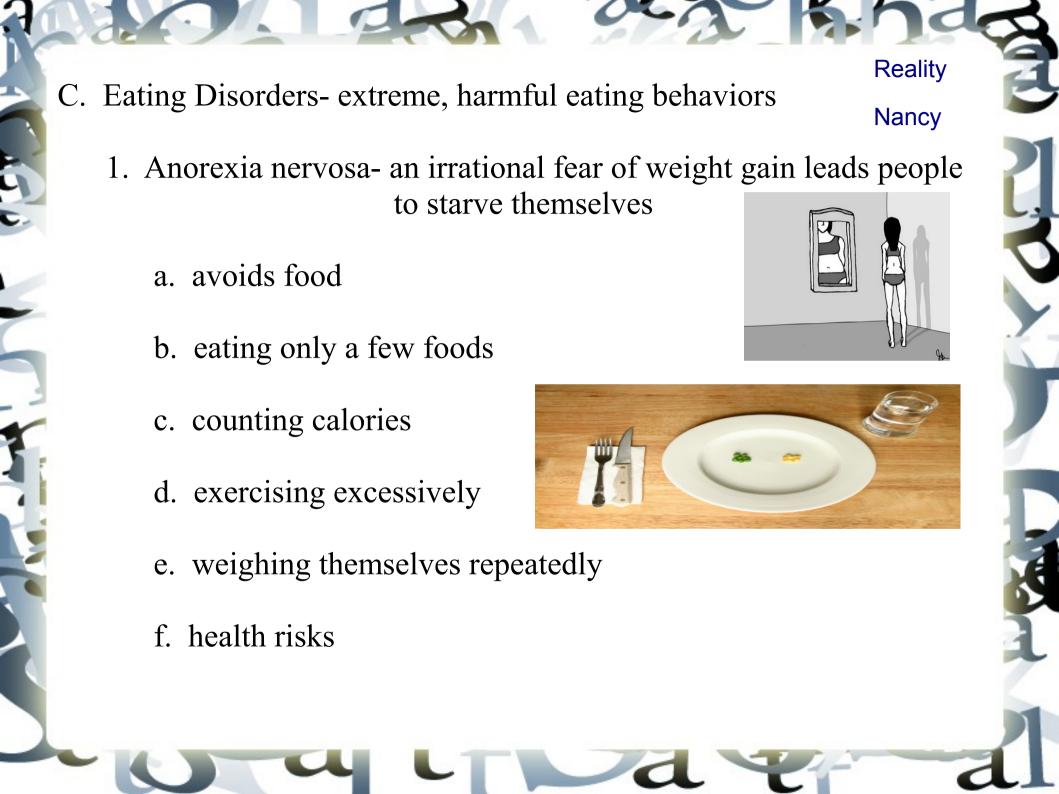












Dr. Phil 2. Bulimia nervosa- involves cycles of overeating & purging a. binge (eating huge amounts in one sitting) & purge (get rid of) b. fear of weight gain c. exercise excessively d. normal weight range e. health consequences

3. Binge Eating Disorder- people overeat compulsively

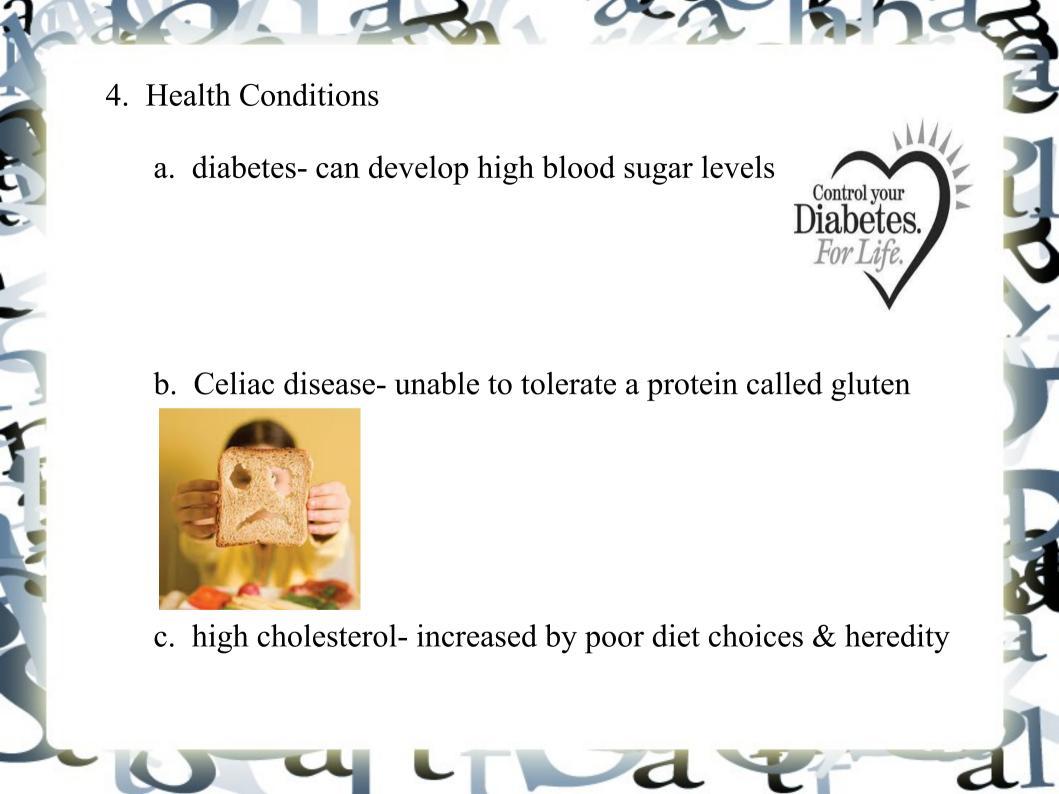
a. binge but DO NOT purge

b. more common in males than other E.D.'s



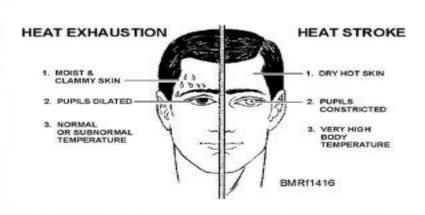
c. can develop many health problems



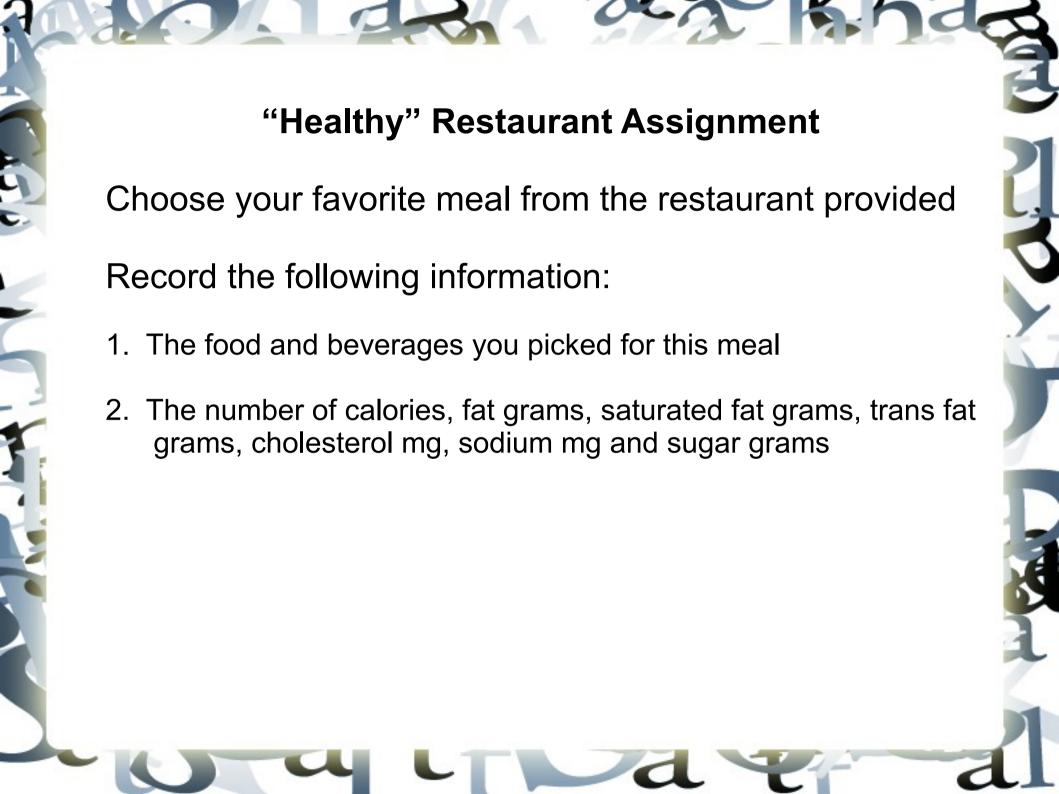




- 1. Heatstroke- condition in which the body loses the ability to cool itself through perspiration
- 2. Overuse injuries- caused by repetitive trauma; training errors
- 3. Lack of sleep- teens need about nine hours per night
- 4. Caloric intake- active boys many need 2400-3200 each day; active girls may need 1800-2400 each day







## "Healthy" Restaurant Assignment

Choose a fast food restaurant and create a fast food plan for one day that meets the following guidelines:

- 1. You have three meals- main dish, side dish, and drink
- 2. One snack for the whole day
- 3. No items can be used twice, except for beverages
- 4. Ketchup, mustard, salsa, buns, etc. are not side or main dishes
- 5. You check nutrient values of food and meet the following numbers:
  - a. Less than/equal to 2500 calories
  - b. Less than/equal to 70 g of total fat
  - c. Less than/equal to 20 g of saturated fat
  - d. Less than/equal to 1.5 g of trans fat
  - e. Less than/equal to 2400 mg of sodium
  - f. Less than/equal to 300 mg of cholesterol
  - g. Less than/equal to 40 g of sugar

\*Nutrition information can be found by doing a Google search for the restaurant\*

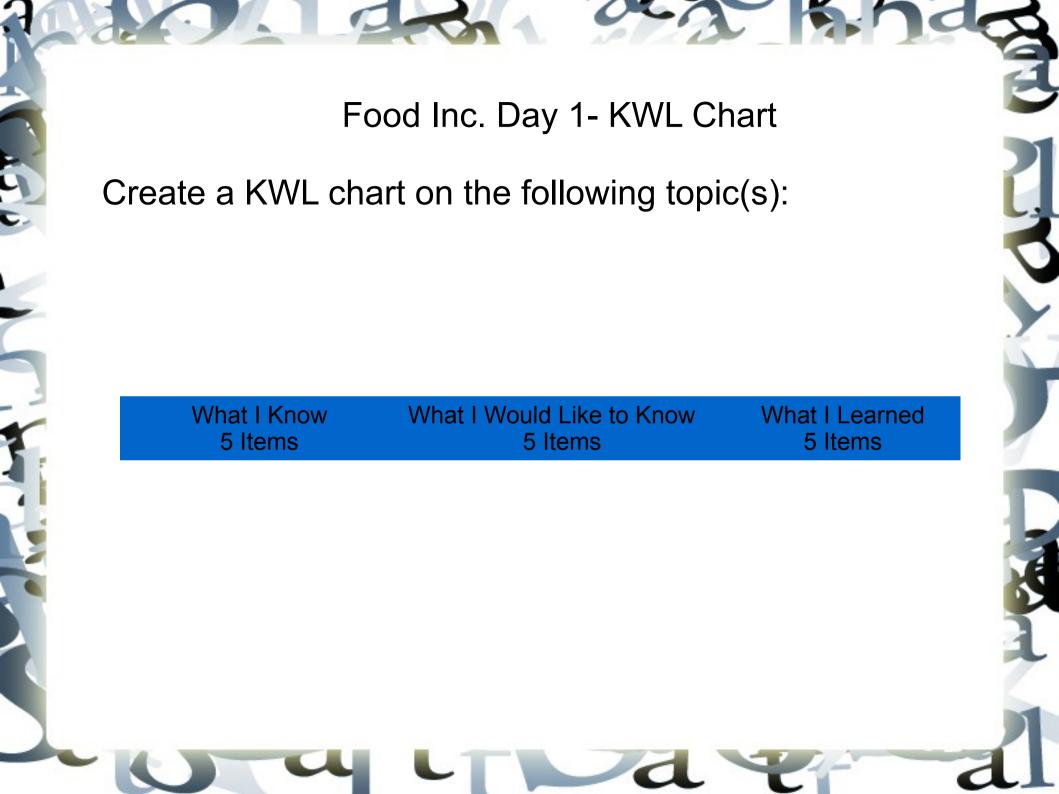
Your grade is dependent on staying **below** the numbers stated above for the **entire** day of eating, not just one meal. Make a table with columns for a-g to do this.

The numbers below represent your goal for the whole day

Meal	Calories	Total Fat	Sat. Fat	Trans Fat	Sodium	Cholesterol	Sugar
	≤2500	≤70g	≤20g	≤1.5g	≤2400mg	≤300mg	≤40g

Total = Total = Total = Total = Total = Total =

Meal	Calories	Total Fat	Sat. Fat	Trans Fat	Sodium	Cholesterol	Sugar
	≤2500	≤70g	≤20g	≤1.5g	≤2400mg	≤300mg	≤40g
Egg McMuffin							
	300	12	5	0	820	260	3
Hash brown	150	9	1.5	0	310	0	0
Orange juice	140	0	0	0	5	0	29
Cheeseburger	300	12	6	.5	750	40	6
Fries	230	11	1.5	0	160	0	0
Coke	210	0	0	0	1	0	58
McChicken	360	16	3	0	830	35	5
Side salad	20	0	0	0	10	0	2
Water	0	0	0	0	0	0	0
Hot Fudge Sundae	330	10	7	0	180	25	48
	<u>Total</u> 2040	<u>Total</u> 70	<u>Total</u> 24	<u>Total</u> .5	<u>Total</u> 3066	<u>Total</u> 360	<u>Total</u> 151



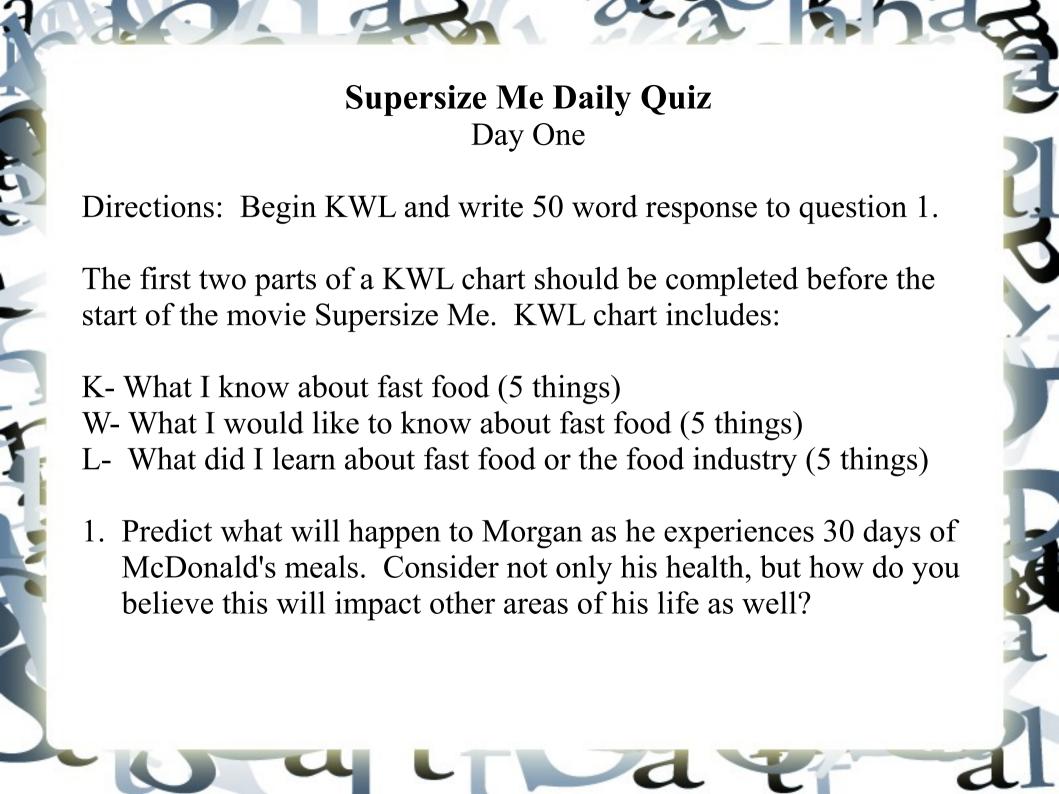
Food Inc. Exit Ticket- Day Two 1. Explain, using one complete sentence for each, the role or blame that each of the following has in the death of a child who eats contaminated food: a. the restaurant b. food producer or farmer c. slaughter house d. the government or lobbyists 2. The film gives the impression that food is either cheap or healthy. Do you think that it is true that food is either one or the other, or is this a false dichotomy? One paragraph response.

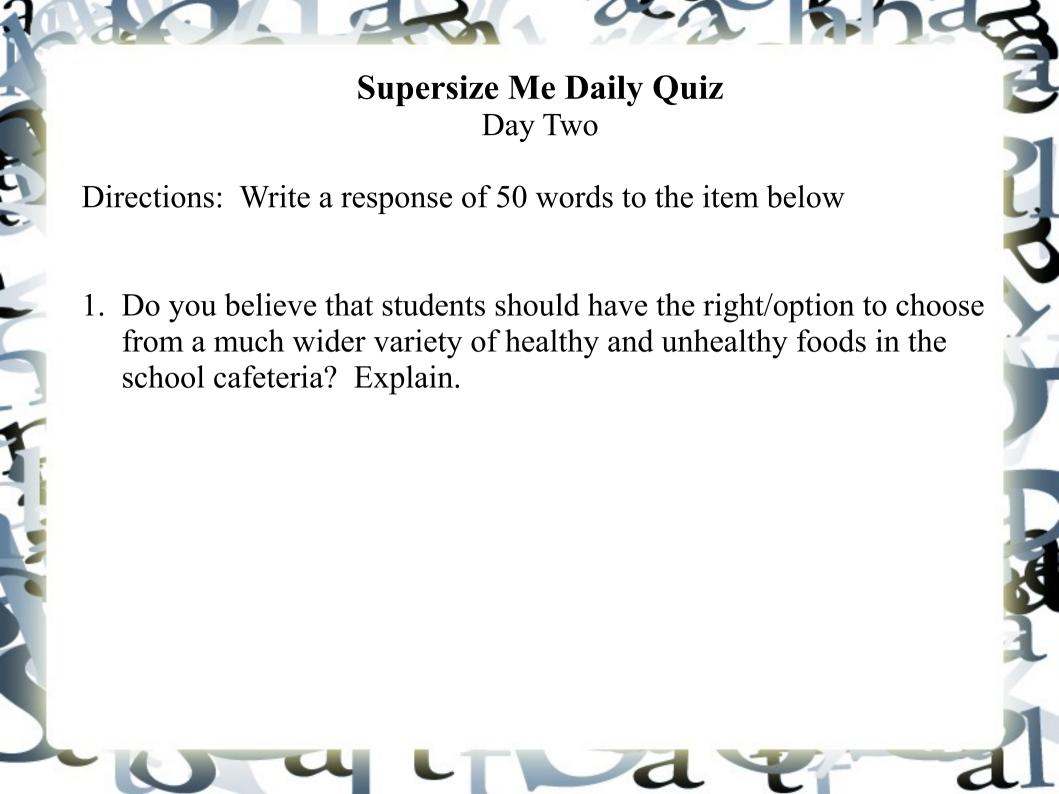
Food Inc. Exit Ticket- Day Three 1. Saving seeds from each year's crop is a tradition farmers have followed for thousands of years. Think of a tradition that has been in your family for a long time. How would you feel if you could no longer have this tradition because someone now legally claims it as theirs? Explain- 1 paragraph 2. This film documented the mistreatment of animals that can occur in the process of preparing food. The mistreatment of humans was also documented. In one paragraph, explain several ways in which the suffering of humans was shown. 3. If healthful, environmentally sustainable food were to cost less than other food, do you think people would eat more of it? Why or why not?

Supersize Me Daily Quiz (1) Three product points per question Directions: Answer each question in complete sentences 1. What is Morgan's health status at the beginning of the experiment? Explain thoroughly please! 2. What are three rules for Morgan has for his experiment? 3. What effects do doctors think the experiment will have on Morgan? Explain thoroughly please! 4. What did they mean in the film when they stated that we live in a "toxic environment" today?

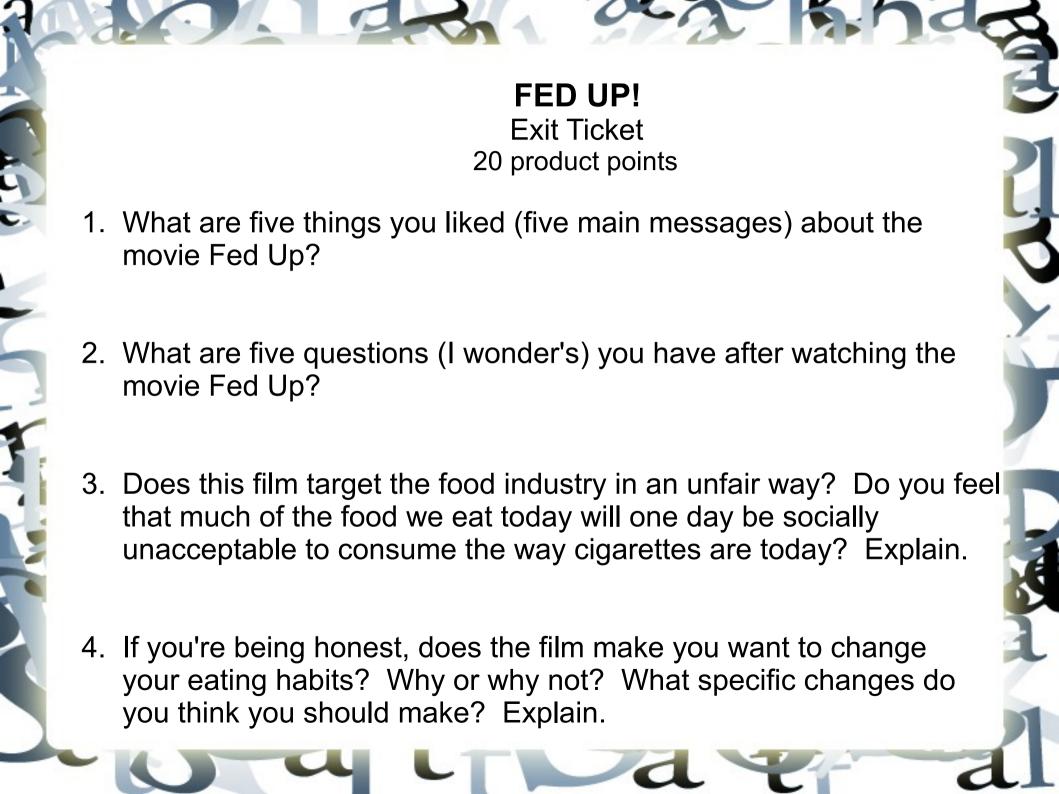
Supersize Me Daily Quiz (2) Three product points per question Directions: Answer each question in complete sentences How does eating McDonald's make Morgan feel? State two things. What are three changes that have taken place with Morgan up to this point in the experiment? 3. What are three characteristics of the school lunches in the schools Morgan visited?

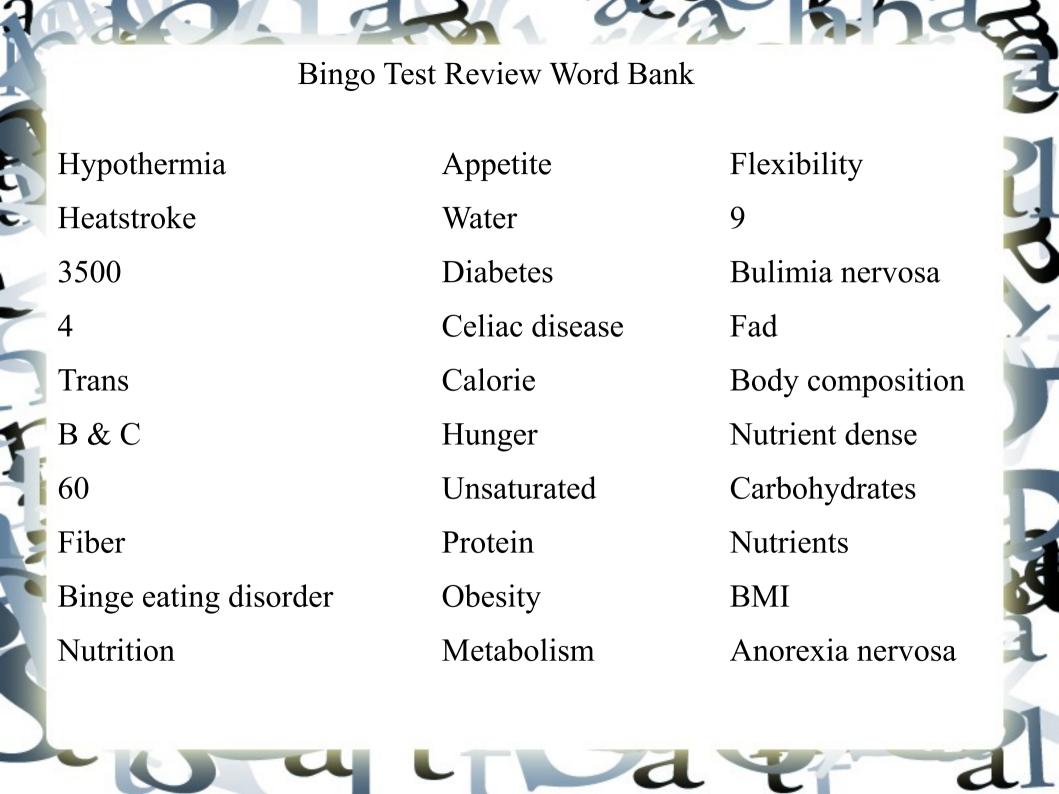
Supersize Me Daily Quiz (3) Three product points per question Directions: Answer each question in complete sentences What is a calorie? As this experiment continues on, how do the doctors feel about the results they find in Morgan? What do they advise him to do? 3. What are three of the final results of Morgan's weigh in and blood tests? 4. In 50 words or more, describe how this movie influenced you.

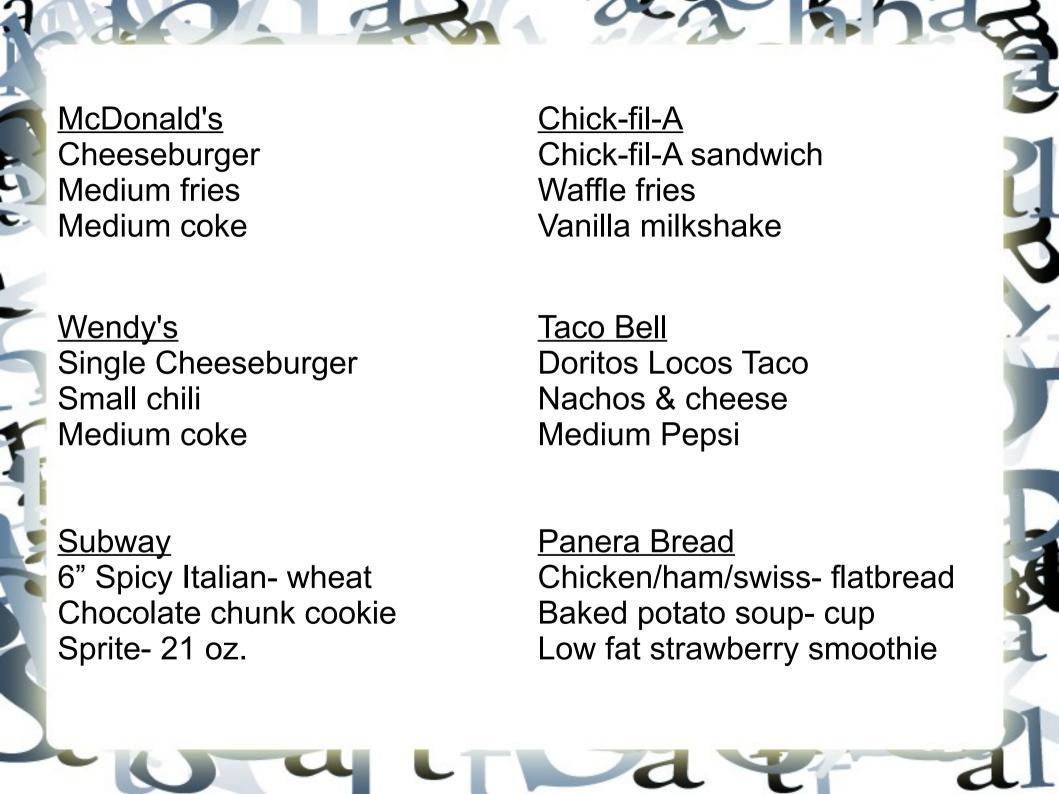


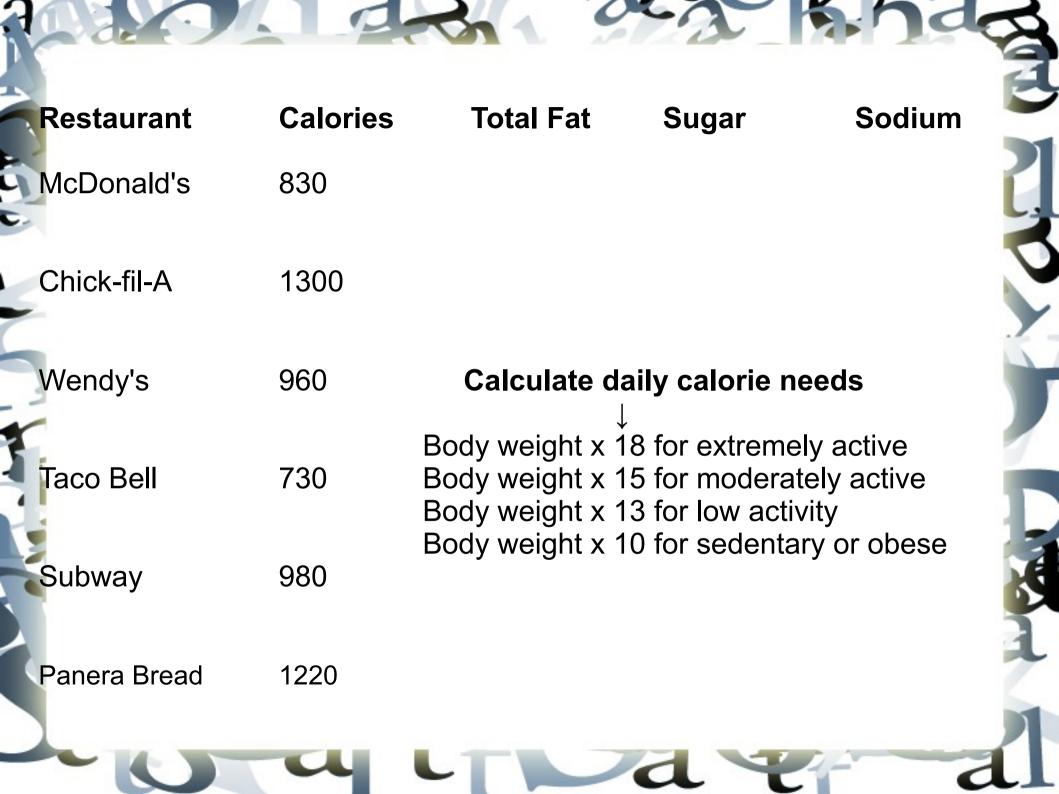


**Supersize Me Daily Quiz** Day Three Directions: Respond to items 1-2 below 1. Morgan did this experiment in 30 days, eating McDonald's for all of his meals. Do you believe the negative impact on physical and mental health would be the same if he had spread this experiment out over a few years, eating the food once or twice a week? Explain, using one solid paragraph. 2. Visualize this 30-day experiment happening at Subway, Panera Bread, or Chick-fil-A. In one solid paragraph, describe how this movie would have been similar or much different. Be specific.















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Restaurant	Calories	Total Fat	Sugar	Sodium
McDonald's	830	27g	62g	875mg
Chick-fil-A	1300	57g	80g	1930 mg
Wendy's	960	36g	70g	2015mg
Taco Bell	730	27g	53g	900mg
Subway	980	34g	93g	1650mg
Panera Bread	1220	51.5g	69g	2080 mg