Proteins: The Body's Building Blocks

Activity A

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Building Blocks of Protein

Acti	ivity A		Name			
Cha	pter 7		Date	P	eriod	
Choose the best res in the block below e essential componer	sponse to complete ea containing the same nt of proteins.	ich multiple ch number as the	ioice statem statement.	ent. Write the Your answers	letter for each answ will reveal an	er
	6	2 3 4 7 8 9	5 10			
1.	Protein differs from A. nitrogen	n carbohydrate B. oxygen	es and fats b C. h	pecause of the ydrogen	it contains. D. carbon	
2.	Protein makes up a L. 12 to 15	bout ρε Μ. 18 to 20	ercent of you N. 20		O. 30 to 40	
3.	When proteins charoccurred. G. balance				ics, has J. coagulation	
4.	To say the body car L. destroy		compound : N. m		can it. O. complement	
5.	There areinc	dispensable an M. 19	nino acids. N. 11	l	O. 9	
6.	Proteins that defend A. antibodies	d the body aga B. buffers			e are D. hormones	
7.	The liver converts n A. enzymes	itrogen waste B. lipoprote	from protei ins C. ui	ins into rea	D. urine	
8.	Plants that can capt seeds are			and transfer it	t to their protein-ricl	n
	G. grains	H. hummus	•	~	J. tofu	
9.	Complete proteins of A. plant and animal				D. only animal	
10.	Two incomplete pro are said to be	teins that toge	ther provid	e all the indis	pensable amino acid	ls
	Q. complete	R. animal	S. co	mplementary	T. valuable	

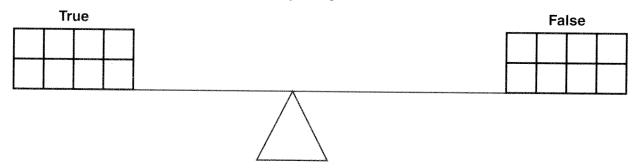
A Billboard for Proteins

Activity B	Name			
Chapter 7	Date	Period		
the space provided below, list the six lboard to advertise one of the function your design. Use the box at the botto ention-getting slogan, logo, and layor	ons. Choose a function and v m of the page to illustrate yo	vrite a summary of the message		
!	Functions of Protein			
	4.			
	5.			
	6.			
5	Summary of Message			

Protein Balance

Activity E	Name	
Chapter 7	Date	Period

Decide which of the following statements about protein needs are true and which are false. Write the numbers of statements that are true inside the blocks on the left end of the scale. Write the numbers of those that are false on the right end. If you have identified the statements correctly, you will have the same number on each end, thus preserving the "protein balance."



- 1. The human body can store excess amino acids as a protein source.
- 2. The most important factor in determining how much protein a person needs is his or her activity level.
- 3. Most people in the United States eat more protein than they need.
- 4. Children need proportionally more protein than adults.
- 5. Extra protein is needed to support the growth of unborn babies in pregnant women and the production of milk in breast-feeding mothers.
- 6. In general, females require more protein than men of the same age and size.
- 7. A large, tall person needs more protein than a small, short person.
- 8. Sick people require extra protein to build antibodies.
- 9. The RDAs for protein include a margin of safety.
- 10. For people between the ages of 4 and 18, the DRI for protein is 20 percent of calories.
- 11. The Nutrition Facts panel on food products can help people estimate how much protein they consume each day.
- 12. People who exercise occasionally need extra protein to build muscle and supply energy.
- 13. Athletes should consume more calories from protein than from carbohydrates.
- 14. The grains and vegetable groups of the MyPlate system are the primary food sources of protein.
- 15. One-fourth cup of cooked legumes counts as a one ounce-equivalent of protein.
- 16. People can avoid health risks by choosing protein sources that are high in saturated fats.

Not Too Little—Not Too Much

Activity	y F	Name	And the second s	
Chapte	er 7	Date		Period
Use the clues provided Write one letter in each are in the "plus zone," zone," reflecting too li	h space; do not leave reflecting too much	blank spaces betwe protein intake. The	en words. Not	nuch protein in the diet. te the first four answers vers are in the "minus
		"Plus Zone"		
	1			
		NOTIFIC THE PROPERTY SECTION S		
	3 , which is the second contract the second contract to $-\infty$	<u>a n d</u>	o audointenter esperantario entratarione vidalederitiede	
4	Section Military and Section S	and the contract and th	a wholesand experience property and an experience terms	manual malmalandor descentional delitrocorr
Protein•Prot	ein•Protein•Protein•	Protein•Protein•Pr	otein•Protein	•Protein•Protein
5	100 To 10	outstands assumed anything assumed about the	and the second s	happinadas substitutoro maranteles institutione MANTOTON
6	THE RESIDENCE OF THE PROPERTY	Management appropriate Validation (Appropriate Validat		namena nakakakakan mantuurkan debakakan
		anneann lainteinistean seastaganas antaministe membahaka siinteiniste antaministe		
	8	no program analogo succession discretions decisions succession su		
		"Minus Zone"		
Since many high- excess		o high-fat foods, th	e result of a hi	gh-protein diet may be
2. When a person co		in protein from ani	mal sources, h	e or she may develop
3. A high-protein d handling nitroge	iet creates extra work n waste.	for the and	, the org	gans responsible for
4. A person who tal	kes in more protein t	han he or she excre	tes is in	- Commission - Marine M
5. A lack of calories	and proteins in the	diet causes a condit	ion called	epe
6. A person who los	ses more nitrogen tha	an he or she consun	nes is in	
7. When mothers in older children m	n poor countries wear ay develop	n older children to l	oegin breast-fe	reding newborns, the
8. The muscles and	tissues of people suf	fering from starvat	ion begin to w	aste away due to a PEM

disease called _____.

Animal vs. Plant Proteins

Name

apter 7			
owing chart to contrast plant and chart. Then answer the question	d animal proteins. S n at the bottom of t	Supply the information cal he page.	led fo
Animal Sources of Protein	Plant Sc	urces of Protein	
			o engage en elektrologische der elektrologische der elektrologische der elektrologische der elektrologische de
			anggap (dag alamah keperta) barahan
			ggggggadalardekskelikkeli
nore protein from plant sources	or animal sources?	Explain your response.	малаганур функциялалын такай бай бай
	apter 7 owing chart to contrast plant and chart. Then answer the question Animal Sources of Protein	apter 7 Date wing chart to contrast plant and animal proteins. Schart. Then answer the question at the bottom of the second se	owing chart to contrast plant and animal proteins. Supply the information call chart. Then answer the question at the bottom of the page.

Complementary Proteins—A "Good Match"

or each of the following recipes, circle the ingredients that are complementary sources of protein see a recipe book to find a third example of a recipe containing complementary proteins. Write the see a recipe on the tab of the third recipe card below. List the ingredients for the recipe on the see of the card. Then circle the complementary sources of protein contained in the recipe. Vegetarian Chili Mac	Activity D	Name	
Vegetarian Chili Mac 3 cups canned tomatoes 1 tablespoon oil 34 cup uncooked whole- grain macaroni 1 teaspoon dried basil 34 cup chopped onion 3 cups canned kidney 2 cloves garlic, crushed 14 cup chopped green pepper Stir-Fried Vegetables and Tofu 1 cup orange-ginger sauce 2 tablespoons peanut oil 1 medium onion 1 cup bean sprouts 2 cups cooked brown rice 1 cups cooked brown rice 2 cups cooked brown rice	Chapter 7	Date	Period
Stir-Fried Vegetables and Tofu 1 cup orange-ginger sauce 2 tablespoons peanut oil 1 medium onion 1 cup bean sprouts 2 carrots 1½ cups cloved firm tofu 2 cups cooked brown rice 2 tablespoons peanut oil 2 cups cooked brown rice 2 cups cooked brown rice 2 tablespoons peanut oil 2 cups cooked brown rice 2 cups cooked brown rice 2 cups cooked brown rice 2 tablespoons peanut oil 2 cups cooked brown rice 2 cups cooked brown rice 2 tablespoons peanut oil 2 cups cooked brown rice 2 cups cups cups cups cups cups cooked brown rice 2 cups cups cups cups cups cups cups cups	ame of the recipe on the tab of	the third recipe card below. List to complementary sources of protein	omplementary proteins. Write the ingredients for the resistant
	and Tofu 1 cup orange-ginger sauce 2 tablespoons peanut oi 1 medium onion 2 carrots 2 ribs celery	34 cup uncooked whole- grain macaroni 34 cup chopped onion 2 cloves garlic, crushed 14 cup chopped green pepper The second of t	2 teaspoons chili powder 1 teaspoon dried basil 3 cups canned kidney beans