

Energy & Healthy Living Weekly Homework

8.L.5 Understand the composition of various substances as it relates to their ability to serve as a source of energy and building materials for growth and repair of organisms.

MONDAY		TUESDAY		WEDNESDAY		THURSDAY	
21	8.L.5 Vocabulary	22	8.L.5 Critical Thinking	23	8.L.5 Apply	24	8.L.5 Critical Thinking
FLASHCARDS 1. ATP 2. Basal Metabolic Rate 3. Calories 4. Carbohydrate 5. Cellular respiration 6. Circulatory System 7. Digestive System 8. Food pyramid 9. Glucose 10. Lipids (fat) 11. Metabolism 12. Minerals 13. Photosynthesis 14. Protein 15. Chloroplast 16. Mitochondria Front: Word, Picture, Initials Back: Definition, Source		1. How do the parts of a plant cell enable it to complete photosynthesis? 2. Why do all organisms need to complete the process of cellular respiration? 3. Compare and contrast photosynthesis and cellular respiration. What is the relationship between the equation for photosynthesis and the equation for cellular respiration?		1. How does food provide the energy and the molecules needed for building materials, growth and survival of all organisms? 2. Two friends were arguing about whether or not cell reproduction requires energy. One friend said yes, another said no. Who is right and explain why. 3. Create an illustration that shows the cycle between photosynthesis and cellular respiration.		1. What happens to the body when there's an imbalance between the amount of energy in versus the amount of energy out? 2. What is the relationship between a healthy diet, exercise, and the general health of the body? 3. How are the digestive and the respiratory system related?	
DUE WEDNESDAY		DUE FRIDAY		DUE FRIDAY		DUE FRIDAY	