Homework: Test Review  Use your notes and your knowledge of IPC to fill in the blanks and answer the questions:					
The Law of Conservation of	Mass: Mass cannot be	or			
		3.2 + 27.1 = x $x =$ $3.7 + x = 6.8 + 1.7$ $x =$			
calcium carbonate 200.2 g  1. If 200.2 grams of calcium carbon much calcium oxide will  2. When a 1-kilogram log was mass of the ash is less than the A wind carried away some mater was converted to C combustion changed some in D some matter was decomposed.  3. When 50 mL of isopropyl a mixture will have a volume of your answer to the nearest tents.	burned, 0.05 kilogram of ash was of the log because— tter before it burned to gases that were released to atter into energy and by organisms in the soil  lcohol (39.5 g) is added to 50 miles.	+ 88.0 g grams of carbon dioxide, was produced. The  mL of water (50 g), the			
IS THE ABILITY TO CAUSE CHANGE.					
The Law of Conservation of E	nergy: Energy cannot be	or			
Energy can be		or			
IMPORTANT FACT: All living	things store their energy as	energy!			
Know your vocabulary: Endergonic vs. Exergonic					
A reaction where energy	gy is absorbed is called an	reaction.			
	gy is released is called an				
Is digestion energonic or e Is photosynthesis endergo	xergonic? nic or exergonic?				

Date:

Period:

Name:

13	OWING NUTRIENTS MORE COM	
LIPIDS	AMINO ACIDS	CARBOHYDRATES
A circulatory system C excretory system What molecule is made in What organelle (part of the HERE ARE THE SIMPLE FACE	B integument D endocrine  the cells to be used as an energy so the cell) is this molecule produced in the transfer of the cells to be used as an energy so the cell) is this molecule produced in the transfer of the cells to be used as an energy so the cell) is this molecule produced in the transfer of	ntary system e system  PLANTS:
(This means that the	broader their leaves are, the more sun invert theenergy of energy that can be stored.	nlight they will absorb!) of the sun into
1. Waxy coveri This helps to co 2. Holes in leav	nt Parts to Know:  ng on leaves =  nserve  es = in and out of the leaves.	-

## **BLIVEWORKSHEETS**

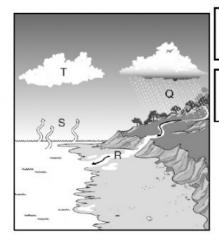
- 1. Some mesquite trees have deeper roots than any other plant in the desert. How are deep roots an adaptation for survival in the desert?
- **F** Deep roots can protect the tree from predators.
- **G** Roots encounter cooler conditions far below the desert surface.
- H Roots can extend great distances to reach water
- J Deep roots interact with beneficial bacteria below the surface.
- 2. Energy used by producers in a grassland food web is provided by -
- A sunlight
- B photosynthesis
- C oxygen
- D carbon dioxide

- 3. Plant leaves have a waxy covering called a cuticle. When some plants are stressed by lack of water, their cuticle increases in thickness. What does this action demonstrate?
- A Alternation of generations in plants
- **B** Structural response to the environment
- C Differentiation of vascular tissue in plants
- **D** Genetic mutation induced by the environment
  - 4. Which of these characteristics might help a plant species survive in an area of limited sunlight?
  - A Bright flowers
  - B Large leaves
  - C Short stems
  - D Thick cuticles

It was	a PHYSICAL CHANGE	if all it did was		
•	change	and		
	or change between	,	_ and	

## It was a CHEMICAL CHANGE if a new

\_ was formed.



Which step in the water cycle is best described as evaporation?

Which step in the water cycle is best described as condensation?

- 1. In the rock cycle, which of these is a chemical change involved with the formation of igneous rocks?
- A Compression of sediments
- B Heat loss from lava
- C Subduction of plates
- D Formation of minerals
- 2. Which of the following processes is an example of a physical change associated with an oak tree?
- A Decomposition of bark by bracket fungi
- B Starches and sugars being broken down during energy production
- C Water and carbon dioxide being converted to glucose
- D Evaporation of water from the surfaces of leaves

