

### AP Biology Curriculum Map 2006-2007

Month	Content	Skills	Assessment	Essential Questions	Standards
August	Chemical composition of organisms	Identify simple chem. Reactions. Identify water and nutrient properties	Discussion; worksheet; essay; tests; labs	What is a chemical reaction? Why are water and nutrients important to life?	11 A 12 A
September	Cells	Compare/contrast eukaryotic and prokaryotic cells.	Labs; lab reports; reading response	How do cells differ? How do cells interact with their environment?	12 A 12 B

6. Circle the enzymes in the following list:

- ATP, phosphorylase, maltase, sucrose, actin, insulin, carbonic anhydrase, fructose

7. Identify two specific places in the cell where enzymes are located.

8. An enzyme called zymase is responsible for converting sugar into alcohol. As this conversion takes place, the reaction gradually slows down. Why?