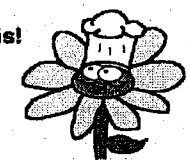
Amoeba Sisters Video Recap: "Photosynthesis and Cellular Respiration"

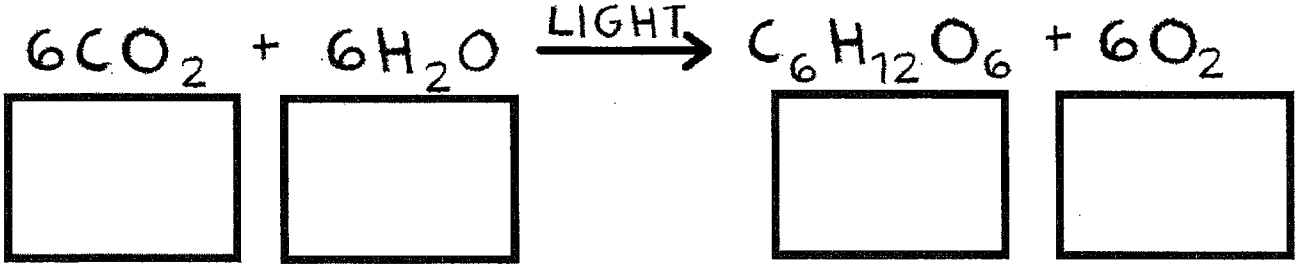
NOTE: This recap compares two Amoeba Sisters videos: photosynthesis and cellular respiration.

1. In photosynthesis, what are the two major reactions that take place? _____ _____ Cooking with Photosynthesis! 	2. Where do each of these reactions take place? - _____ - _____ 
3. In aerobic cellular respiration, what three major steps are involved? _____ _____ _____	4. Where do each of these three major steps take place (for eukaryotes)?  - _____ - _____ - _____

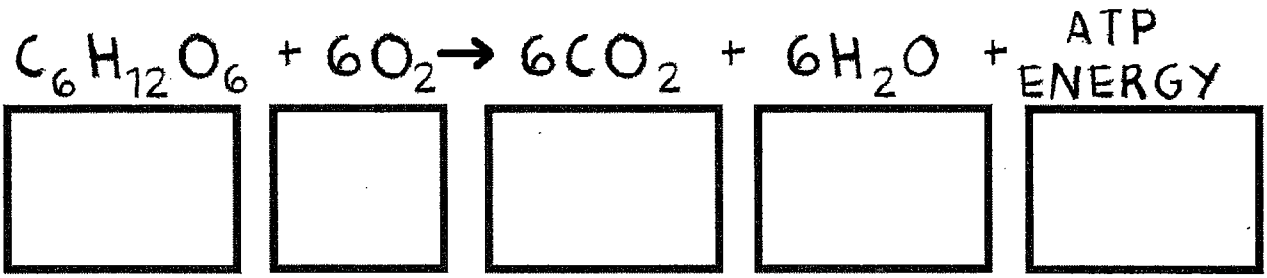
Formula Illustrations

For the following formulas, (1) determine whether the formula is photosynthesis or cellular respiration, (2) circle the products, and (3) creatively illustrate each reactant or product in the box underneath.

5. Formula is for: _____



6. Formula is for: _____



If Chloroplasts and Mitochondria Could Speak

*If chloroplasts and mitochondria could only speak! Decide whether each quote could be stated by a chloroplast (label "C"), mitochondria (label "M"), or **both** organelles (label "C, M").*

7. _____ My main goal is to produce a lot of ATP energy.

8. _____ I contain pigments to help capture light energy.

9. _____ Oxygen gas production will happen within me.

10. _____ I can be found in plant cells.

11. _____ I can be found in animal cells.

12. _____ Carbon dioxide gas production will happen within me.

13. _____ Muscle cells would contain a lot of me.

14. _____Water production will happen within me.

15. _____ Glucose production will happen within me.

16. _____ I would be found within a photosynthetic protist.

17. _____ I am the site of aerobic cellular respiration.

18. _____ Krebs and the Electron Transport Chain both happen within me.

19. _____ I contain chlorophyll.

20. _____ The Calvin Cycle happens within me.