

Amoeba Sisters Video: Photosynthesis and the Teeny Tiny Pigment Pancakes

Link to video: <https://www.youtube.com/watch?v=uixA8ZX0KU>

Write out the equation for photosynthesis (given several times during the video):

Equation for photosynthesis using words:

_____ + _____ → _____ + _____

Equation for photosynthesis using chemical symbols:

_____ + _____ → _____ + _____

1. What 3 groups of organisms does the video talk about that can do photosynthesis?
2. What does photosynthesis produce that we need?
3. Why is energy (ATP) so important to cells?

4. What pigment in the chloroplasts do plants use for photosynthesis?
5. Name the 2 main reactions that happen during photosynthesis.
6. Where do the light-dependent reactions of photosynthesis occur?
7. The light-dependent reaction converts _____ energy into _____ energy.
8. Where do the light-independent reactions of photosynthesis occur?
9. The product made by plants during photosynthesis that they need is: