



Subject: Biology

Grade Level: High School

DI Strategy: Challenge by Choice

Photosynthesis Review Challenge by Choice

After learning about Photosynthesis in Biology class, I wanted to give students an opportunity to review and relearn concepts at their own pace. I collected data by having the students answer review questions about the Light Reactions and the Calvin Cycle using Socrative. Students then used their results to determine what level of review they needed.

Students were given the following 5 choices:

1. Videos that retaught the Light reactions and Calvin Cycle embedded in EDpuzzle with review questions.
2. White board review where students drew the two reactions (Light Reactions and Calvin Cycle) on a white board and had them checked by me.
3. 7 sentence summary of photosynthesis describing each one of the seven main reactions of photosynthesis in one sentence.
4. E-text & LearnSmart review (review questions, animations, and tutorials aligned with their textbook).
5. Preview the new material on the “variables of photosynthesis”.

Students choose which number to start at based on their Socrative results and then moved down the list at their own pace. Students who started at the videos (#1 - relearning) were asked to keep that work to 10 minutes maximum, and then move onto #2 or #3 where I could give them feedback. Student who completed #1 and #4 received immediate feedback from the website while students who completed #2 and #3 received feedback from me during class or the next class period.