

CHAPTER 5**ANSWER KEY****Summary of Photosynthesis
Answer Key****BLM 5.2.10A**

1.

Photosynthesis		
Energy	Reactions	Location
Light energy captured from the Sun	Water splits, forms oxygen	Thylakoid membrane
Large amounts of ATP produced	Chemiosmosis	Thylakoid membrane and stroma
Energy from the light-dependent reactions is used	Calvin-Benson cycle	Stroma

2. The light-dependent reactions occur in the thylakoid membrane; chemiosmosis occurs across the thylakoid membrane and ATP is released in the stroma; the Calvin-Benson cycle occurs in the stroma.

