

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

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.

