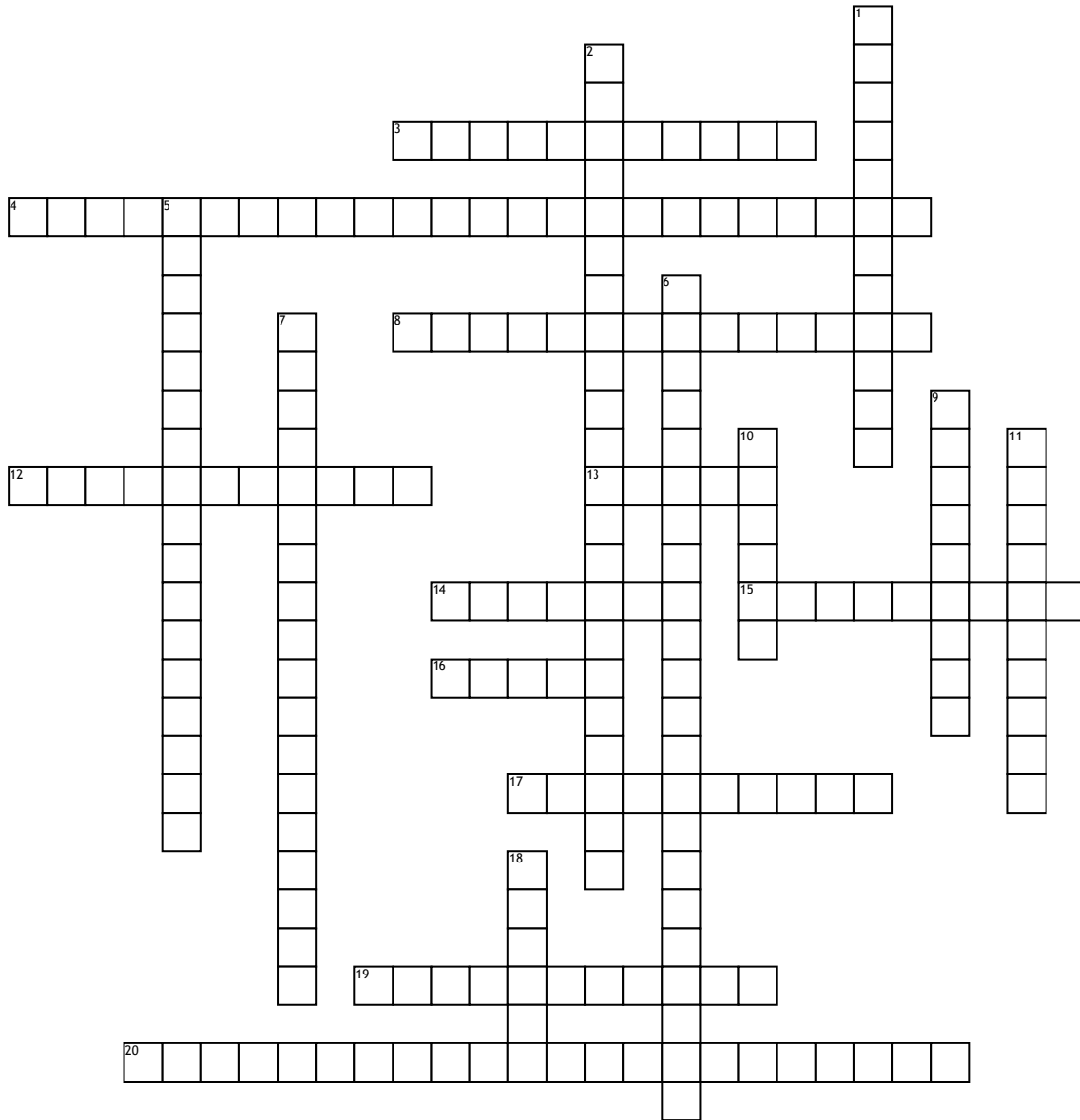


# Photosynthesis Puzzle



## Across

3. What happens when a Chlorophyll absorbs a photon?
4. Does not require energy
8. Another name for the Calvin Cycle
12. No sunlight(ATP) is required in this reaction
13. excited electrons make...
14.  $C_6H_{12}O_6$
15. Losing an electron
16. Energy that travels to photons
17. Chloroplasts are found in...

19. Chlorophyll molecules working together to process the energy of a photon
20. Energy released from electrons is through...

## Down

1. Synthesizing ATP using energy of an electrochemical gradient and the ATP synthase enzyme
2. electron carrier in the energy transfer
5. Where do light dependant reactions take place?

6. Light must be present for this reaction to occur
7. What are the  $H^+$  ions used for that are pulled inside the Thylakoid membrane?
9. Gaining an electron
10. A packet of light
11. The break down of water
18. Where does Carbon Fixation occur?