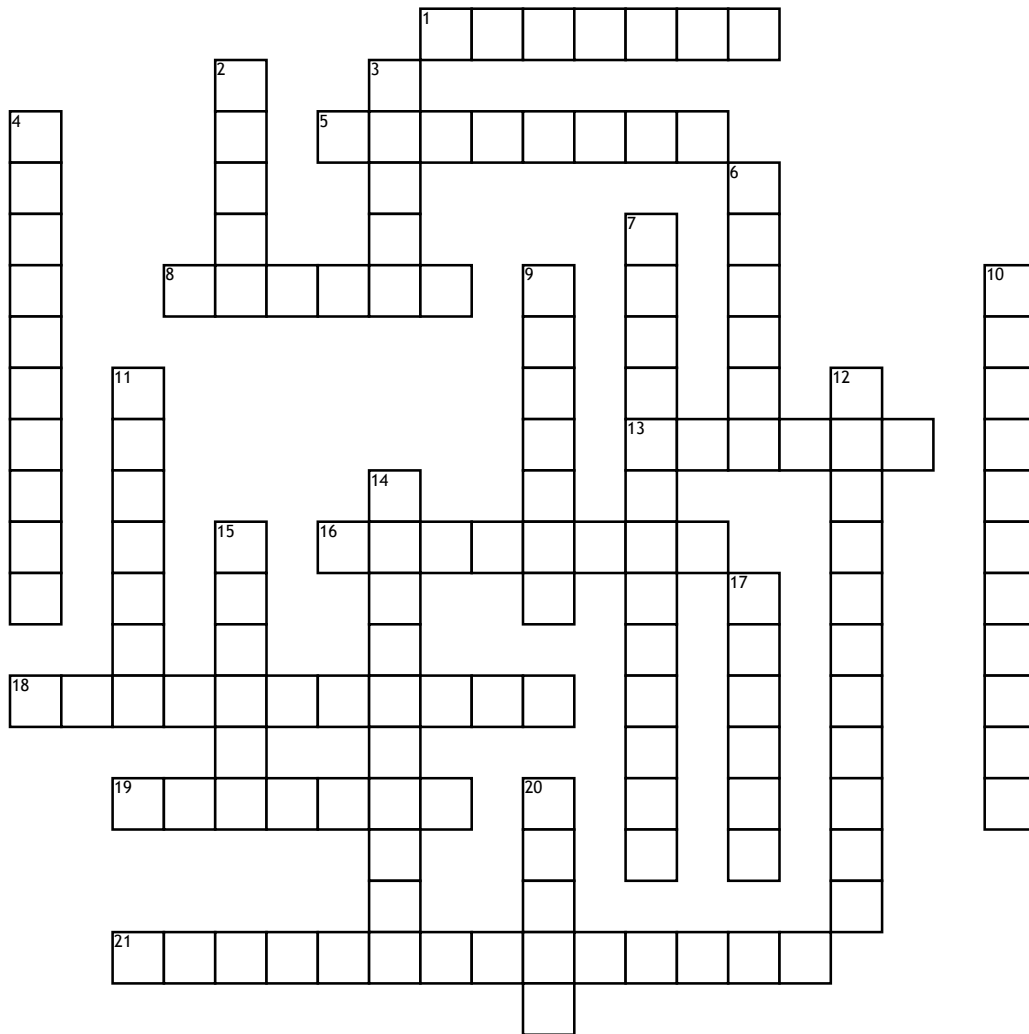


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Photosynthesis Crossword



**Across**

- 1. On a leaf, what allows carbon dioxide to enter and oxygen to exit?
- 5. Root hairs absorb water and
- 8. What does nitrate help with the roots and leaves?
- 13. The more we cut down forests, what will decrease?
- 16. What cells are packed together and are filled with chloroplasts?
- 18. Green pigment which traps sunlight
- 19. When testing a leaf for starch what chemical do you need put with the leaf in the tube

21. The method plants use to feed themselves

**Down**

- 2. Something healthy we drink
- 3. Leaves have large surface areas so it can trap what?
- 4. You can possibly control photosynthesis when plants are in a:
- 6. What is respiration used to provide?
- 7. When burning fossil fuels, what does it create?
- 9. The food that plants keep and store inside it's body
- 10. If minerals are in short supply, what can the farmer add to the plant?

11. What energy is needed so that all the chemical reactions in the plant can happen quickly enough?

- 12. What turns sugars into carbon dioxide?
- 14. What animals' burrows make it easier for roots to spread through the soil?
- 15. What is glucose usually converted into?
- 17. What solution will make a leaf turn black/blue when testing for starch?
- 20. What does water travel through?

**Word Bank**

- |             |             |        |            |                |                |
|-------------|-------------|--------|------------|----------------|----------------|
| Ethanol     | Minerals    | Roots  | Stomata    | Starch         | Carbon Dioxide |
| Thermal     | Respiration | Growth | Greenhouse | Water          | Earthworms     |
| Energy      | Chlorophyll | Oxygen | Light      | Photosynthesis | Biomass        |
| Fertilisers | Palisade    | Iodine |            |                |                |