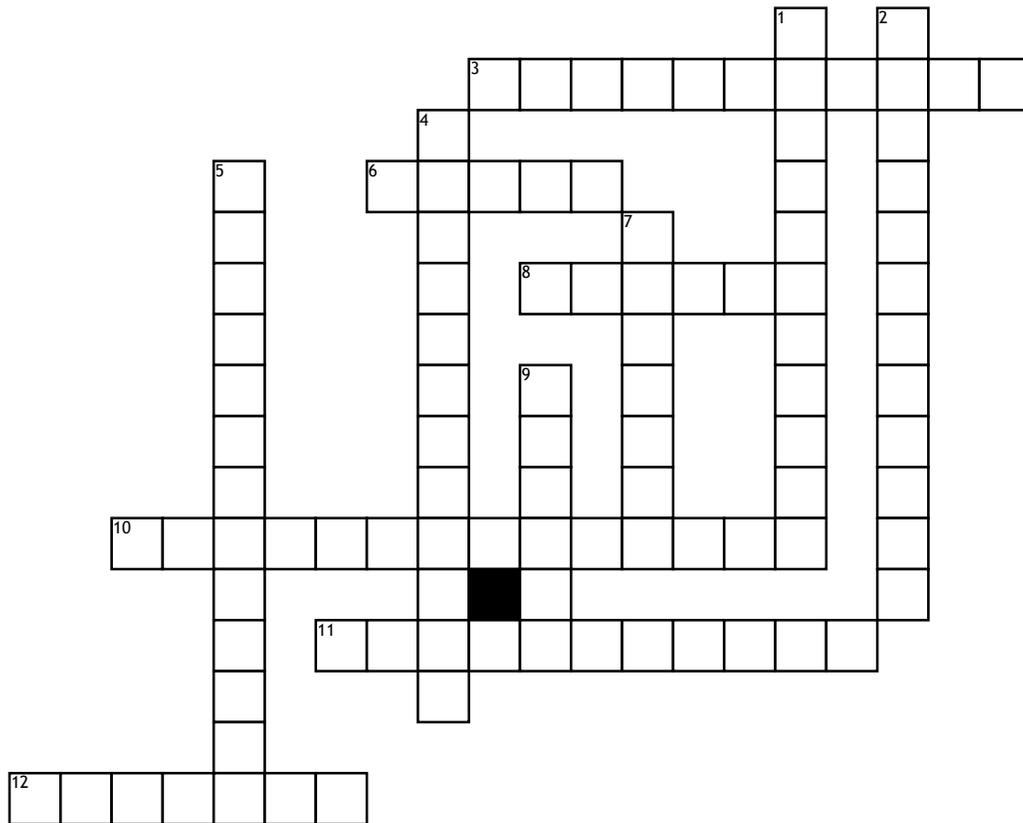


# Chromatography



**Across**

- 3. What is the name of the process animals use to burn sugar to make energy (ATP) and carbon dioxide?
- 6. What was the name of the solvent used to extract the pigments from the ink pens?
- 8. What name is given to the solid that gets pulled up the filter paper?
- 10. What is the name of the process plants use to make sugar and oxygen?

- 11. What is the name of the green pigment found in plant leaves?
- 12. What was the name of the solvent used to extract the pigments out of the leaf?

**Down**

- 1. What is the name of the orange pigments found in plants that also harvests energy?
- 2. What is the name of the organelle found in cells that burns sugar producing ATP?

- 4. What is the name of the yellow pigments found in leaves, egg yolks, and human blood plasma?
- 5. What is the name given to the finished product of a chromatography lab?
- 7. What is the name of the sugar that plants make?
- 9. What is the name of the type of paper used in chromatography?

**Word Bank**

- |              |               |                |              |
|--------------|---------------|----------------|--------------|
| water        | glucose       | photosynthesis | carotenoids  |
| xanthophylls | chromatograph | solute         | Filter       |
| alcohol      | respiration   | chlorophyll    | mitochondria |