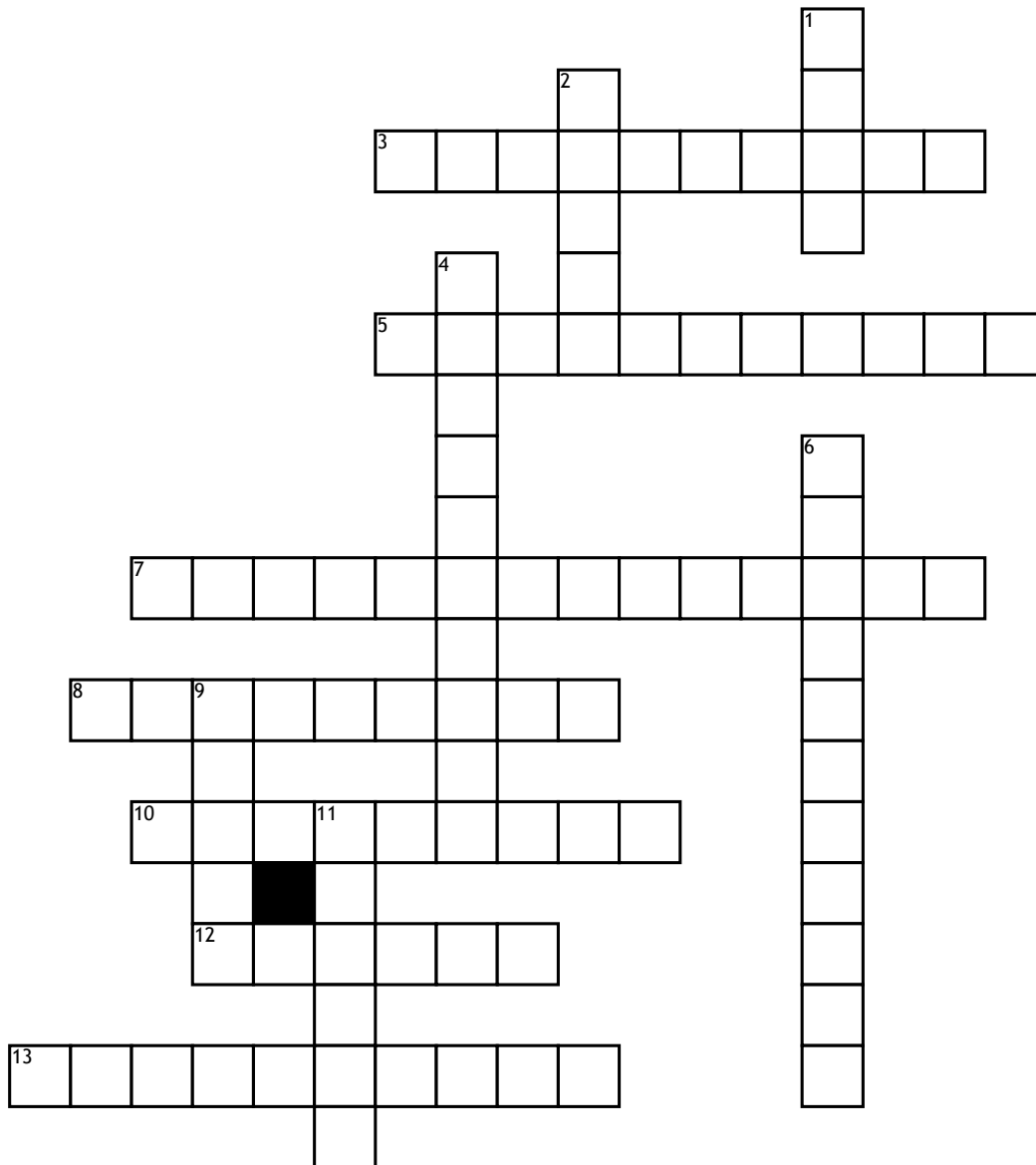


Name: \_\_\_\_\_

# Carbon cycle



## Across

3. Another name for the air; carbon dioxide is stored here

5. The collective name for coal, oil and gas; a rich store of carbon. They form over millions of years from dead plants and animals.

7. Plants take in carbon dioxide and sunlight to create their own energy to grow

8. Where carbon moves from high concentration to low concentration. Usually between the atmosphere and the seas.

10. These things give out carbon when they erupt, releasing it into the atmosphere.

12. The term for places where carbon is trapped and stored.

13. Rocks break down overtime

## Down

1. Systems that let energy and matter (e.g. anything you can physically touch) in and out.

2. These are made up of different things, including carbon. This is the largest store of carbon on the planet.

4. The burning of fossil fuels and trees produces carbon dioxide which is released into the air

6. Plants and animals use oxygen and glucose to create energy. This gives out carbon dioxide and water.

9. Another name for transfers; where carbon moves from one place to another.

11. systems that only let energy in and out. Matter cannot get out of a closed system.