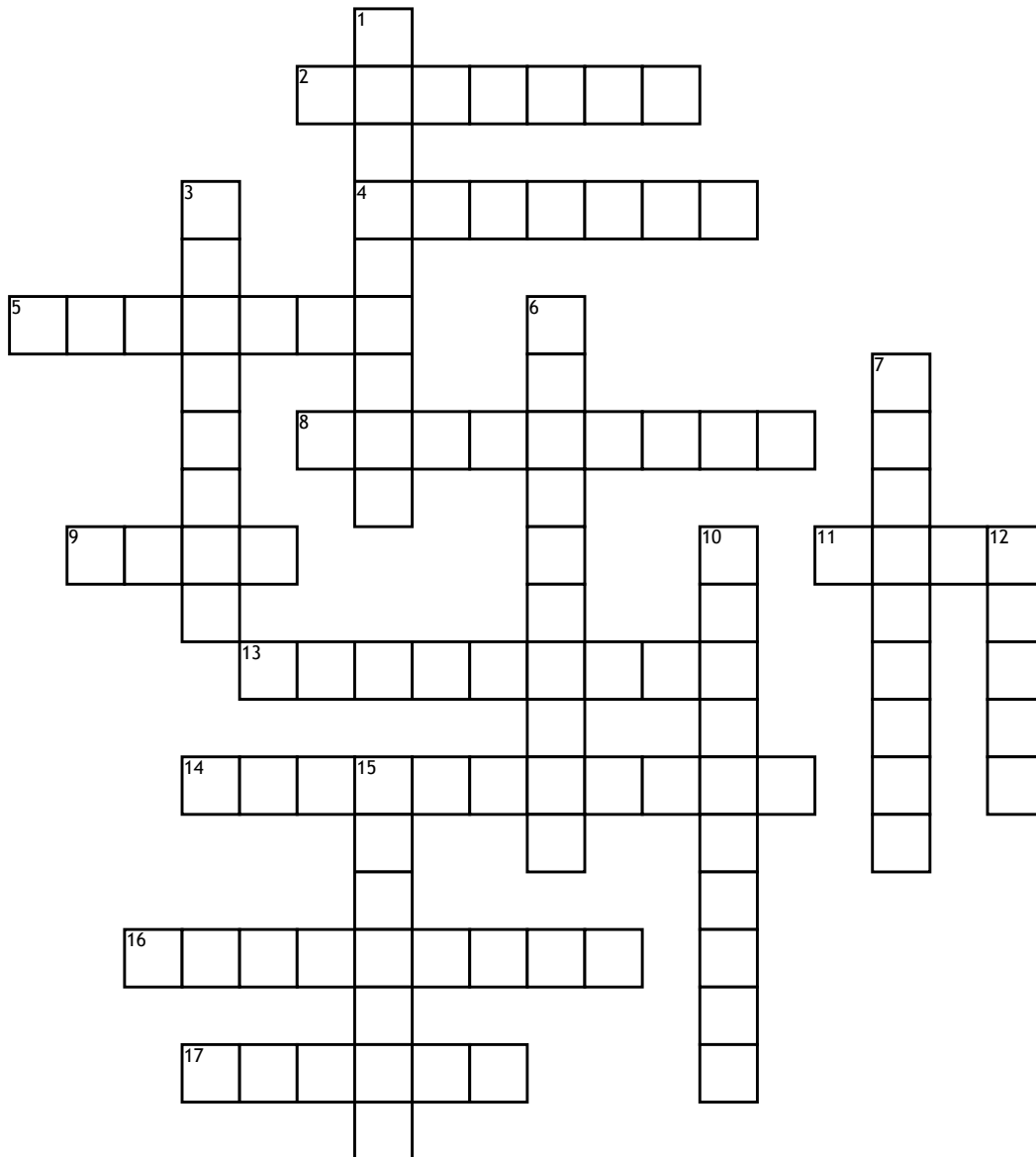


# Energy Transfer and Transformation Revision



## Across

2. The variable(s) that we keep the same in an experiment.  
 4. The degree of compactness, or quantity of particles in a given area or space.  
 5. All objects that are moving have ..... energy.  
 8. All substances and objects possess ..... energy. This is also called stored energy.  
 9. The main energy given off by the blue flame of a Bunsen burner.  
 11. Hot air rises because it becomes more or less dense?

13. Heat can be transferred without the need for particles. This is called..?

14. The Law of Conservation of Energy states that energy cannot be created or destroyed. It can only be transferred or ..?

16. A material that is a poor conductor of heat

17. A type of material that most easily conducts energy.

## Down

1. A material that readily conducts energy.

3. The type of energy a battery has.

6. When particles very close together vibrate, the heat is transferred from particle to particle. This is called.. ?

7. The variable that you measure in an experiment.

10. Heat causes particles to gain energy and spread apart. This is called...?

12. The energy produced when a trumpet is played.

15. The energy that is stored in the nucleus of a cell.