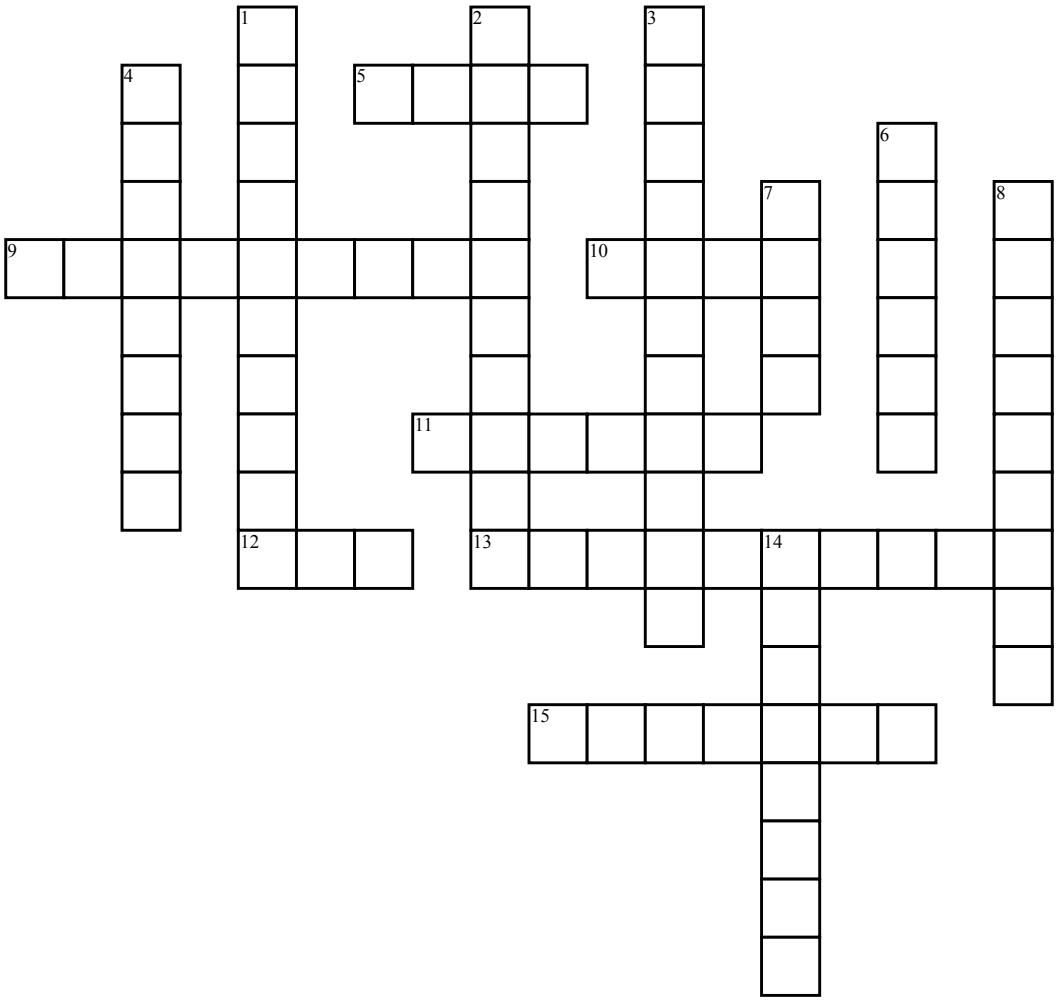
Energy, Energy Transfer and General energy analysis



Across

5. The only two forms of energy interactions associated with a close system are heat transfer and _____.

9. Heat transfer mechanism consist of conduction, convection and _____.

10. Requirements for work interaction is there must be a force act at boundary and boundary must _____.

11. Nuclear energy by _____ is released when two small nuclei combine into a larger one.

12. When water leaves as a vapor it called ____.

13. _____ indicates how well an energy conversion or transfer process is accomplished

15. Some physical insight to internal energy is sensible, latent, chemical and _____.

Down

1. _____ energy is the form of energy that can be converted to mechanical work completely.

2. Glass allows the solar radiation to enter freely but blocks the infrared radiation emitted by interior surfaces is called _____ effect.

3. There are two forms of energy which is macroscopic and _____.

4. The environmental pollution became a serious threat to human health, vegetation and _____.

6. The total energy of a system, can be contained in a system can be viewed as _____ forms of energy

7. _____ is the form of energy that transferred between two systems by virtue of temperature difference.

8. The first law states that energy cannot be created and _____.

14. The sum of all microscopic forms of energy called _____ energy.