



**ACROSS**

- 4 a reaction that brings thermal energy inside a reaction to the atoms and bonds; cool to the touch
- 8 substances that are combined in a reaction

**DOWN**

- 1 a process in which new bonds form between atoms and molecules and bonds are rearranged to create new substances
- 2 a reaction that releases thermal energy out towards its surroundings; warm to the touch
- 3 a solid product that forms from 2 solutions in a chemical reaction
- 5 the written form of atoms and molecules involved in a chemical reaction; this includes reactants, products, coefficients, and subscripts
- 6 energy needed to start a chemical reaction
- 7 the new substances formed when bonds are rearranged and new bonds are formed in a reaction