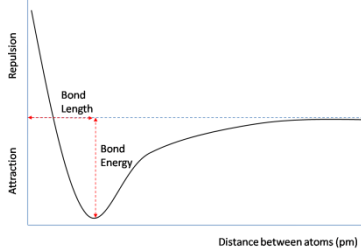
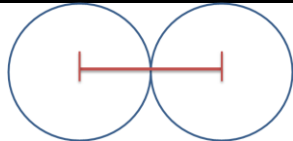
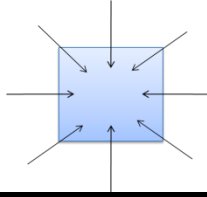
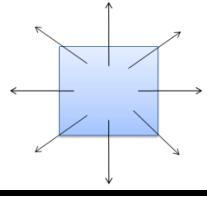


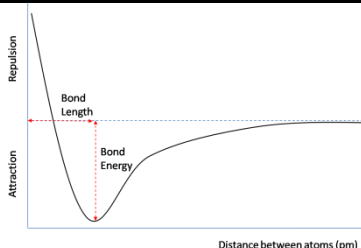
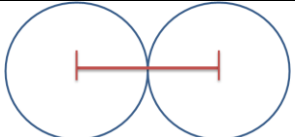
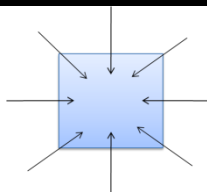
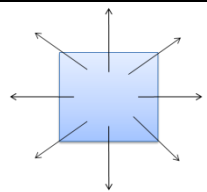
Bond Energy and the Types of Reaction

Vocabulary Worksheet – Teacher’s Edition

Hint	Term	Definition/Example/ Sample
Bonds broken: bonds made	Balance of energy	
	Bond energy/bond dissociation energy	
	Bond length	
C=C	Bond order	
C-C	Chemical potential energy	
	Endothermic process	
	Exothermic process	
KE	Temperature	
E	Thermal (heat energy)	
ΔH	Thermochemistry	

Bond Energy and the Types of Reaction

Vocabulary Worksheet – Teacher’s Edition

Hint	Term	Definition/Example/ Sample
Bonds broken: bonds made	Balance of energy	The amount of energy required to break the chemical bonds in the reactants compared to the amount required to form them in the products
	Bond energy/bond dissociation energy	The energy required to break a bond.
	Bond length	The distance between the nuclei of the atoms at the minimum point of energy
C=C	Bond order	The number of electron pairs shared by two atoms
C-C	Chemical potential energy	The type of energy stored in the bonds of chemicals
	Endothermic process	Energy absorbed when the bonds in the reactants break
	Exothermic process	Energy released when new bonds form.
KE	Temperature	The average kinetic energy possessed by the molecules of a substance
E	Thermal (heat energy)	The total energy of molecular motion in a substance
ΔH	Thermochemistry	The area of chemistry that focuses on the amount of heat absorbed or released in a chemical reaction