Name: Honors Chemistry	Start Date: ____/____/____	Finish Date: ____/____/____	Topic: Kinetic Molecular Theory (P13)			
	Indicator	**I'm still confused about this topic.**	**I've learned some, but not all of the topic**	**I've got this now.**	**What is my evidence? What resources did I use?**	Teacher Initials/ Date
4	I can research other types of chromatography, describe how they separate a mixture, and explain how they are used in real world applications.				**Resources:** Notes, Different Types, Barron's SAT (), **Assignments:** Lab 14.1- Chromatography Write Up	
3	I can use molecular geometry to determine the polarity and symmetry of a molecule.				**Resources:** Notes, Polar v Nonpolar, Barron's SAT (), **Assignments:** Worksheet 14.1, Test Reviews	
3	I can conduct an experiment and explain how to use chromatography to separate a mixture of substances based on polarity.				**Resources:** Notes, Chromatography, Barron's SAT (), **Assignments:** Worksheet 14.2, Lab 14.1- Chromatography, Test Reviews	
3	I can determine the type of intermolecular forces between molecules using polarity (dipole-dipole, dipole-induced dipole, London Dispersion).				**Resources:** Notes, Induced, Dipole-Dipole, London Dispersion, Textbook **Assignments:** Worksheet 14.2, Lab 14.1- Chromatography	
3	I can sketch coordination compounds using polarity concepts- ligand, coordination number, central atom, charge.				**Resources:** Notes, In Depth, Barron's SAT (), **Assignments:** Worksheet 14.2, Test Reviews	
3	I can describe and model how matter changes phase using the kinetic molecular theory.				**Resources:** Notes, Absolute Zero, Phase Changes, Barron's SAT (), **Assignments:** Worksheet 15.2, Test Reviews	
3	I can use energy/phase diagrams to calculate the energy associated with temperature and phase changes (heating/cooling curves).				**Resources:** Notes, Curve Explanation, Practice Problem, Barron's SAT (), **Assignments:** Worksheet 17.1, Lab 17.1- Energy and Phases, Test Reviews	
3	I can describe how bond strength can influence the state of matter.				**Resources:** Notes, Kahn, Barron's SAT (), **Assignments:** Worksheets 15.1 and 16.1, Test Reviews	
2	I can explain Brownian Motion for solids, liquids, and gases and relate this to energy levels of individual elements and compounds (whooshie).				**Resources:** Notes, Brownian, Barron's SAT (), **Assignments:** Worksheet 15.2, Test Reviews	
2	I can differentiate between intermolecular (FOA) and intramolecular (bonds) forces.				**Resources:** Notes, Comparison, Barron's SAT (), **Assignments:** Worksheets 14.1-14.2 , Test Reviews	

2	I can state the three assumptions of the Kinetic Molecular Theory (KMT).				**Resources:** Notes, Website, KMT, Barron's SAT (), **Assignments:** Worksheet 15.1, Test Reviews	
2	I can define pressure, convert units using standard pressures, and use open/closed manometers to measure pressure.				**Resources:** Notes, Website, Conversions, Manometers, Barron's SAT (), **Assignments:** Worksheet 15.1, Test Reviews	
2	I can use a phase diagram to determine MP, BP, Triple Point, Critical Point, and the States of Matter for different substances.				**Resources:** Notes, Website, Reading Phase Diagrams, Barron's SAT (), **Assignments:** Worksheet 17.2, Test Reviews	
2	I can convert temperatures between Celsius and Kelvin.				**Resources:** Notes, Website, Theory, Calculations, Barron's SAT (), **Assignments:** Worksheet 15.2, Test Reviews	
2	I can define relevant vocabulary.				**Resources:** Notes, Website, Textbook, Google **Assignments:** Vocab List, Vocab Quiz, Test Review, Note Cards, Flashcard App	