Main Ideas, Key Points, Questions: Iter watching the video segment, write own key points, main ideas, and big mestions.	 Objective(s): Understand how objects become magnetized, and how electrical and magnetic fields affect one another. Calculate the magnitude and direction of the magnetic force acting up moving charge in a magnetic field. 	oon a
	Notes: During the video segment, use words, phrases, or drawings to take notes.	or

Unit 5J_Notes and Questions STUDENT

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Name:



Date:

Answer the following.

1. How is the Aurora Borealis created?

2. When a compass is used, to what magnetic pole does the needle point?

- 3. Define electromagnetism in your own words.
- 4. Describe how magnetic and electric fields interact, specifically with regards to light.

5. Define magnetism in your own words.

- 6. What happens when two like poles of magnets interact with one another?
- 7. The areas in which the individual magnetic orientations of atoms line up are called ______.

	Unit 5J Magnetism	Name:			
gpb.org/physics-motion	Questions to Consider	Date:			
Answer the following.					
8. What makes iron an ideal	material to use as a magnet?				
9. In the right-hand rule for the magnetic force, identify what each part of the hand represents: a. Thumb					
b. Pointer finger					
c. Middle finger					
10. What three factors could cause a material to become unmagnetized?					

11. What is the unit for magnetic field strength?

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12. Complete the equation for the magnetic force:

F_{magnetic}=_____