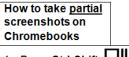
<u>SPH3U – Electricity & Magnetism Assignment</u> Due: Monday Jan 25 via Google Classroom

Your job is to write a multiple choice quiz, similar to the Kahoot quizzes that Mr John made earlier.

- Aim for between 10-20 questions
- Include a variety of topics related to electricity and magnetism
- Include a variety of levels of difficulty (easy, medium, harder)
- Put thought into your possible answers try to think of wrong answers that people might reasonably give



- 1. Press Ctrl Shift
- Draw a box around the area to copy
 Press Copy to Clipboard
- 4. Paste into Google Doc or slides (Ctrl v)
- Include both "concept" type questions, as well as "calculation" type questions. Large, complicated circuit analysis questions probably aren't suitable for a kahoot, but smaller ones would work.
- Here are links to the Kahoots Mr John made if you would like to see some example questions (Kahoot1, Kahoot2)
- Include some pictures in your questions if they can help. You can draw by hand or take from the internet. Consider using a picture for multiple questions. Instructions above.

Here are some possible topics to get you started:

Drawing circuits (symbols, etc.)	Ohm's Law (V = IR)	Static vs. current electricity		
Current, Voltage, Resistance – what	Series circuits – equivalent	Parallel circuits – equivalent		
are they?	resistances	resistances		
Parallel circuit concepts (ex. what	Series circuits concepts (ex what	Analogies:		
are they? unscrewing one bulb,	are they? why lightbulbs aren't	Circuit – Water		
voltage drop across, how current	bright, current and voltage	Circuit – Jujubes		
works	concepts)	Circuit – Trucks/Roads/etc		
Kirchoff's voltage law around a	Kirchoff's current law at a node	What are magnets?		
Іоор				
Magnetic attraction and repulsion	Magnetic attraction and repulsion	Magnetic field lines		
between magnets	between magnet and non-magnet			
The earth's magnetic field	Oersted's principle	Faraday's Law		
Left-hand rule (straight conductors)	Left-hand rule (coiled conductors	Motor principle (concepts,		
		directions)		

Here's what I'll be looking for when marking:

	R	1	2	3	4
Variety of questions (topics, difficulties)					
Clarity/accuracy of questions (correct vocabulary, wording, understanding)					
Overall impression (pictures, # of questions, general quality, etc.					