

Monday, May 27/13
Science 122

Announcements

**** Need an activity re a course topic before the end of May.**

1. Test - Nuclear and Quantum Physics
 2. Exam Review - Magnetism
 3. Predicting the Spontaneity of Redox Reactions
 4. Worksheets (3) - Redox Tables, Predicting Entities and Predicting Redox Reactions
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5. Redox Stoichiometry (Titrations)



Exam: Outline - Magnetism

- magnetism
- magnetic domains
- magnetic field lines (N \rightarrow S)
- RHR/LHR's #1, 2 and 3
- symbols: in and out of page
- parallel wires
- electric motor: decide direction of armature or I
- force acting on a straight wire
- force acting on a single charged particle
- radius of a single particle in a uniform magnetic field
- velocity selector (perpendicular B and E fields, v)
- mass spectrometer (q to m ratio)
- electromagnetic inductance
- Lenz's Law
- EMF
- Ohm's Law
- self-inductance and mutual inductance
- transformers (primary and secondary coils, turns ratio, power)