

**Unit 1 Test study guide - explain how you would do each of the following**

- Measure length
- Measure mass
- Calculate volume
- Calculate density
- Make metric to metric conversions- duplicate the khdodcm chart with all labels, be able to use it
- Measure volume by displacement
- Calculate and use uncertainty values
- Identify characteristic (identifying) properties
- Use density and electrical conductivity to identify a substance
- Recognize a fair test in an experimental design
- Recognize a good conclusion- what must it have?
- Does air have mass?
- Rank substances using density

- Distinguish between magnetic interactions between a magnet and another magnet and a magnet and a magnetic material
- Understand the attraction between an electrically charged object and another charged or uncharged object
- Series circuits
- Parallel circuits
  
- Identify manipulated and responding variables in an experimental design