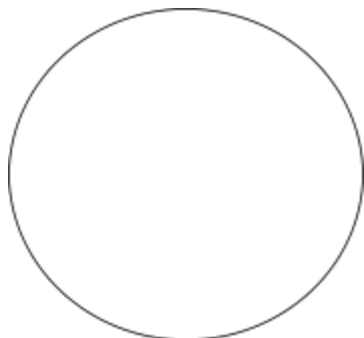


Name: _____

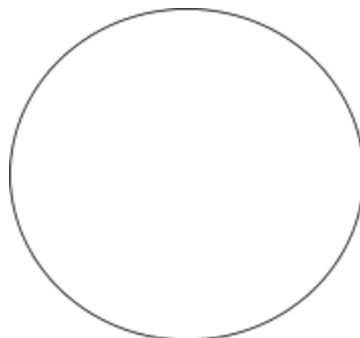
Chemistry Practice Assessment

Part 1: Draw a model of the spacing of the molecules for each substance and describe each one below.



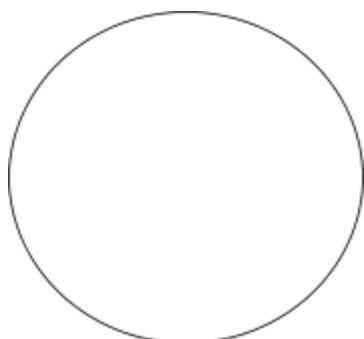
Fe = iron (solid)

Description:



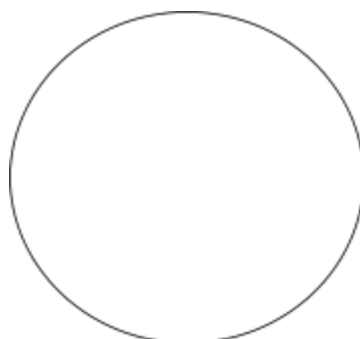
O₂ = oxygen (gas)

Description:



H₂O = water (liquid)

Description:



Fe₂O₃ = iron oxide (solid)

Description:

Part 2: Use the chemical equation for the process of magnesium reacting with hydrochloric acid to create a diagram to depict the law of conservation of mass.



Explanation: Use the formula as evidence to explain the law of conservation of mass.

Part 3: Write a CER. What type of change (physical or chemical) is mixing steel wool with vinegar? When the two are mixed, heat is produced and the steel wool rusts. Be sure to use evidence and reasoning to support your claim.