

Water Pressure and Hydraulic Systems

A Quest for Grade Eight Students

Part 1

Using the following website, <http://www.m-w.com/>, define the terms that are listed below. You may also use your **SciencePower 8** Text to supplement your definitions. Once you have looked up each of the following terms, draw a picture of it to help you remember your definition.

(a) *Particles*



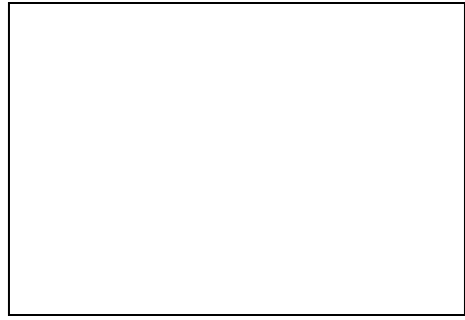
(b) *Particle Theory of Matter*



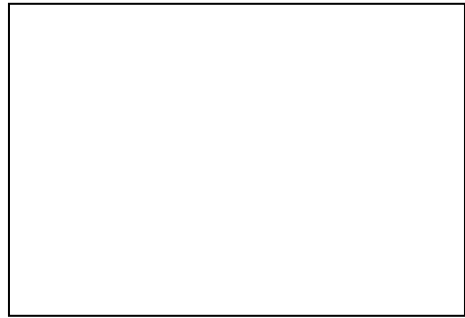
(c) *Compressible*



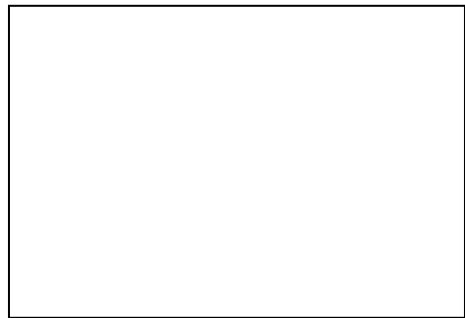
(d) *Flow Pressure*



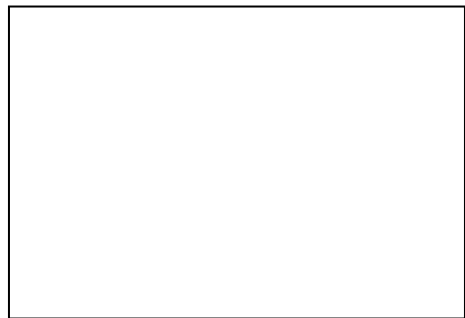
(e) *Static Pressure*



(f) *Hydraulics*



(g) *Hydraulic Systems*



Part 2:

Using the terms above, you will create a concept map using the computer software:
Inspiration.

In case you forgot what a concept map is...

Concept Map: This is a diagram comprised of words or phrases in circles or boxes and connecting lines; used to show various relationships among concepts.

On-line tutorial for using inspiration:

http://lrt.ednet.ns.ca/PD/pdf/insp_v7.pdf (Version 7.0)

http://lrt.ednet.ns.ca/PD/pdf/insp_v6.pdf (Version 6.0)

Here is a sample concept map that has been completed using these terms.

