

Whatsa Matter HW

Read and outline (Cornell-style) **Section 3.1** in your Chemistry textbook. Then answer the following assessment questions:

1. Describe the characteristics that identify a sample of matter as being a substance.
2. Classify each of the following as a physical or chemical property:
 - a. Iron and oxygen form rust.
 - b. Iron is more dense than aluminum.
 - c. Magnesium burns brightly when ignited.
 - d. Oil and water do not mix.
 - e. Mercury melts at -39°C .
3. Create a table that describes the 3 common states of matter in terms of their shape, volume, and compressibility.