

Memorize this chart, you will not be able to move ahead in chem unless you understand all of the vocabulary and remember how these properties exist.

Important Properties of the States of Matter			
Property	SOLIDS	LIQUIDS	GASES
volume	Definite	Definite	Indefinite
shape	Definite	Indefinite	Indefinite
compressibility	Very Little	Very Little	Easily
heat expansion	Slightly	Slightly	Greatly

Co, Ne, Hg, H<sub>2</sub>O, Au, and Mg are the substances we will use for these questions (use names)

1. which has the highest boiling point? \_\_\_\_\_ which is \_\_\_\_\_ °C
2. Which will expand the most when heated? \_\_\_\_\_
3. Which can be compressed the most? \_\_\_\_\_
4. Which are the least likely to be compressed? \_\_\_\_\_
5. Which will melt in your mouth? \_\_\_\_\_
6. Which will fit into any shape container you place it (at 25°C) \_\_\_\_\_
7. Which will FILL any container you place it into (at 25°C) \_\_\_\_\_

We're done with the substances for now. How many atoms are in each of these compounds?

