**Topics: Review for Test 4**

Test 4 will consist of the following:

Six of these vocabulary terms:

* alkali metal
* alkaline earth metal
* transition metal
* actinide
* lanthanide
* halogen
* noble gas
* malleable
* ductile
* cation
* anion
* ion
* octet rule
* crystal lattice
* unit cell

Four of these questions:

* How are ionic bonds formed?
* Why are ionic compounds hard?
* Why are ionic compounds brittle?
* Why do ionic compounds have high melting and boiling points?
* Why do ionic compounds conduct electricity when melted or dissolved?
* Why don’t ionic compounds burn?