

Bonding in Metals

(Chapter 5, section 4)

Name _____

Period _____

1. Complete these sentences:

Very _____ of the _____ you use every day are made of _____
_____. Instead, _____ are _____
_____ in the _____ of an _____.

2. What is an alloy?

3. Complete these sentences:

In every _____, at _____ of the _____
is a _____. _____ are generally _____
and _____ to _____ with _____ or _____
than are the _____ from which they are made.

4. How do the physical and chemical properties of an alloy compare to those of its individual elements?

5. What is a metallic bond? What is metallic bonding a result of?

6. Complete these sentences:

A _____ or _____ consists of _____
_____ metal _____ in a _____ of
_____. The _____
_____ an atom can _____ to the _____, the
_____ the _____ will be.

7. What are four properties of metals? What accounts for these properties?