Quiz 8.2 – Valence Bond Theory

Name: _____

Problem 1

Consider the ion NCO^-. List what sorts of bonds are present in this ion, what sorts of orbitals overlap to form the bonds, and what sorts of orbitals hold lone pairs.

Problem 2

Consider the ion NO_3^-. List what sorts of bonds are present in this ion, what sorts of orbitals overlap to form the bonds, and what sorts of orbitals hold lone pairs.

When You See Water

By Alice Walker

When you see water in a stream
you say: oh, this is stream
water;
When you see water in the river
you say: oh, this is water
of the river;
When you see ocean
water
you say: This is the ocean's
water!
But actually water is always
only itself
and does not belong
to any of these containers
though it creates them.
And so it is with you.