**CHE2060: Acid-base equilibrium WS**

For each of the pairs of reactants shown here:

* Label the Lewis acid & Lewis base;
* Identify the nucleophile & electrophile;
* Draw arrows to show movement of electrons;
* Predict and draw the Lewis dot structures of products;
* Find or estimate pKa values for the Lewis acid and conjugate acid; and
* Predict the direction of equilibrium.

1.



2.



3.



4.



5.

