| DATA TABL From Part 1 | .E: COMPLETE 1 : | THIS TABLE D | OURING THE EX | PERIMEI | NT. | | | |
|--------------------------|---|-----------------------|------------------------------|------------|----------------|--------------------|--|--|
| | hether the followi tronegativity Num | | | or ionicly | bonded ba | ased on the | | |
| | e the electronega e whether the bo | | | | owing pairs | s of elements. | | |
| Bonds | | Electrone | Electronegativity Difference | | | Ionic or Molecular | | |
| H and O | | | | | | | | |
| Si and H | | | | | | | | |
| CI and F | | | | | | | | |
| K and F | | | | | | | | |
| Be and O | | | | | | | | |
| Ca and S | | | | | | | | |
| Na and Cl | | | | | | | | |
| Si and C | | | | | | | | |
| Al and N | | | | | | | | |
| Part 2: | | | | | | | | |
| | Flame Color | Cation (metal ion) | Anion | 111 | mpound mula | compound name | | |
| Sample 1 | | | | | | | | |
| Sample 2 | | | | | | | | |
| Sample 3 | | | | | | | | |
| Sample 4 | | | | | | | | |
| Sample 5 | | | | | | | | |
| Observation w | ith boric acid: | | | | | | | |

1

Part 3: (Fill In the Provided Data Sheet for this part.)

LABORATORY EXERCISE #4 CHEMICAL BONDING

CHM 100

Names: