

## WORK SHEET 4 ALCOHOLS,PHENOLS AND ETHERS

Fill in the blanks:

1. Alcohols are \_\_\_\_\_ acids than water.
2. Water is a better \_\_\_\_\_ than alcohols.
3. Sodium ethoxide is a \_\_\_\_\_ than Sodium hydroxide.
4. Alcohols act as \_\_\_\_\_ due to the presence of unshared pair of electron pairs on Oxygen.
5. \_\_\_\_\_ are stronger acids than alcohols and water.
6. The electron density on Oxygen in phenols decreases due to higher electronegativity of \_\_\_\_\_ of phenols.
7. In alkoxide ion , the negative charge is \_\_\_\_\_ on oxygen in phenols.
8. In phenoxide ion , the negative charge is \_\_\_\_\_ on oxygen in phenols.
9. Phenol molecule is less stable than phenoxide ion  
Due to \_\_\_\_\_.
10. The presence of electron withdrawing group \_\_\_\_\_ the acidic strength of phenols.