Number each test tube as follows:

1. Methanol  +  Acetic acid  ---- >  Methyl acetate
2. Ethanol  +  Acetic acid  ---- >  Ethyl acetate
3. 1-Butanol  +  Acetic acid  ---- >  Butyl acetate
4. 1-Pentanol  +  Acetic acid  ---- >  Pentyl acetate
5. Methanol  +  Salicylic acid  ---- >  Methyl salicylate
6. Ethanol  +  Salicylic acid  ---- >  Ethyl salicylate
7. 1-Butanol  +  Salicylic acid  ---- >  Butyl salicylate
8. 1-Pentanol  +  Salicylic acid  ---- >  Pentyl salicylate
9. Methanol  +  Propionic acid  ---- >  Methyl propionate
10. Ethanol  +  Propionic acid  ---- >  Ethyl propionate
11. 1-Butanol  +  Propionic acid  ---- >  Butyl propionate
12. 1-Pentanol  +  Propionic acid  ---- >  Pentyl propionate

SYNONYMS:
Methanol  is also called  Methyl alcohol
Ethanol  is also called  Ethyl alcohol
1-Butanol  is also called  n-Butyl alcohol or n-Butanol
1-Pentanol  is also called  n-Pentyl or Amyl or n-Amyl alcohol or n-Pentanol
Acetic acid  is also called  Ethanoic acid
(SYNONYMS:  we are actually using a 1:1 mixture of acetic acid + acetic anhydride)
Salicylic acid  is also called  2-Hydroxybenzoic acid
Propionic acid  is also called  Propanoic acid