1. Common Name: Table Salt
   Chemistry Name: Sodium Chloride
   Chemistry Formula: NaCl(s)

2. Common Name: Salt water (saline solution)
   Chemistry Name: Aqueous Sodium Chloride
   Chemistry Formula: NaCl(aq)

3. Common Name: Tap water
   Chemistry Name: none
   Chemistry Formula: $H_2O(aq)$

4. Common Name: Purified water
   Chemistry Name: Dihydrogen monoxide
   Chemistry Formula: $H_2O(l)$

5. Common Name: Copper (wire)
   Chemistry Name: Copper
   Chemistry Formula: Cu(s)

6. Common Name: Hydrate
   Chemistry Name: Copper (II) Sulfate
   Chemistry Formula: $CuSO_4(s)$

7. Common Name: Sand
   Chemistry Name: none
   Chemistry Formula: none

8. Common Name: Magic Sand
   Chemistry Name: none
   Chemistry Formula: none

9. Common Name: Sugar
   Chemistry Name: Glucose
   Chemistry Formula: $C_6H_{12}O_6(s)$

10. Common Name: Sugar water
    Chemistry Name: none
    Chemistry Formula: $C_6H_{12}O_6(aq)$

11. Common Name: Gold in oil
    Chemistry Name: none
    Chemistry Formula: none

12. Common Name: Brass
    Chemistry Name: none
    Chemistry Formula: Cu and Zn mixed

13. Common Name: Nitrogen
    Chemistry Name: Nitrogen
    Chemistry Formula: $N_2(g)$

14. Common Name: Air
    Chemistry Name: none
    Chemistry Formula: N_2 mixed with O_2, Rn, CO_2, etc…