

# Cleaning Chemistry

## SOIL TYPES



**ORGANIC:** oil, grease, dirt, animal fats, proteins, bacteria, mold.



**INORGANIC:** water spots, lime scale, rust, corrosion, oxidation, encrustations.



## CLEANING AGENT

ALKALINE

ACID

## CLEANING ACTIONS

- Solvency = **dissolve it**
- Detergency = **lift it**
- Mechanical Action = **scrub it**
- Chemical Reaction = **react with it**

## TO CLEAN



- ✓ Time
- ✓ Agitation
- ✓ Concentration
- ✓ pH
- ✓ Temperature
- ✓ X-Stream

## pH SCALE

alkalinity



14

neutral

7



acidity

0