```
Material

    effectsOnMaterial

- compDefStrength
- impactDefStrength
- tensileDefStrength

    torsionDefStrenght

    shearDefStrength

    compFractStrength

    impactFractStrength
    tensileFractStrength
    torsionFractStrenght

    shearFractStrength

- plasticity
- density

    materialName

+ operator==()
+ operator!=()
+ operator=()
+ Material()
+ Material()́
+ PerformMaterialCalculations()
+ setDeformationStrenghts()
+ setFractureStrength()
+ setDensity()
+ setMaterialName()
and 6 more..
 SetupForce()
SetupShearForce()
 SetupImpactForce()
 SetupCompressionForce()
 SetupTensileForce()
SetupTorsionForce()
- CalculateForcePenentration()
 CalculateForcePenentration()
 ApplyForcePenentration()
 DetermineWoundSeverity()
                     -material
              Resource
    - isRenewable
    - isEdible
    - resourceCategory

    name

    - rarity
    + operator:
    + operator!=()
    + operator=()
    + Resource()
    + Resource()
    + Resource()
    + setResourceCategory()
    + setIsRenewable()
    + setResourceName()
    + setRarity()
    and 12 more
                   Δ
                 Plant
       growthRate

    growthDuration

        vieldSeeds
       yieldSeed
biomeVec
      + operator:
       - operator!=()
      + operator=()
+ Plant()
      + Plant()
      + setGrowthRate()
+ setGrowthDuration()
+ setYieldSeeds()
      + addBiome()
+ getGrowthRate()
      + getGrowthDuration()
     + getGrowthDuration
+ getYieldsSeeds()
+ getBiomeVec()
+ getBiomeVecRef()
```