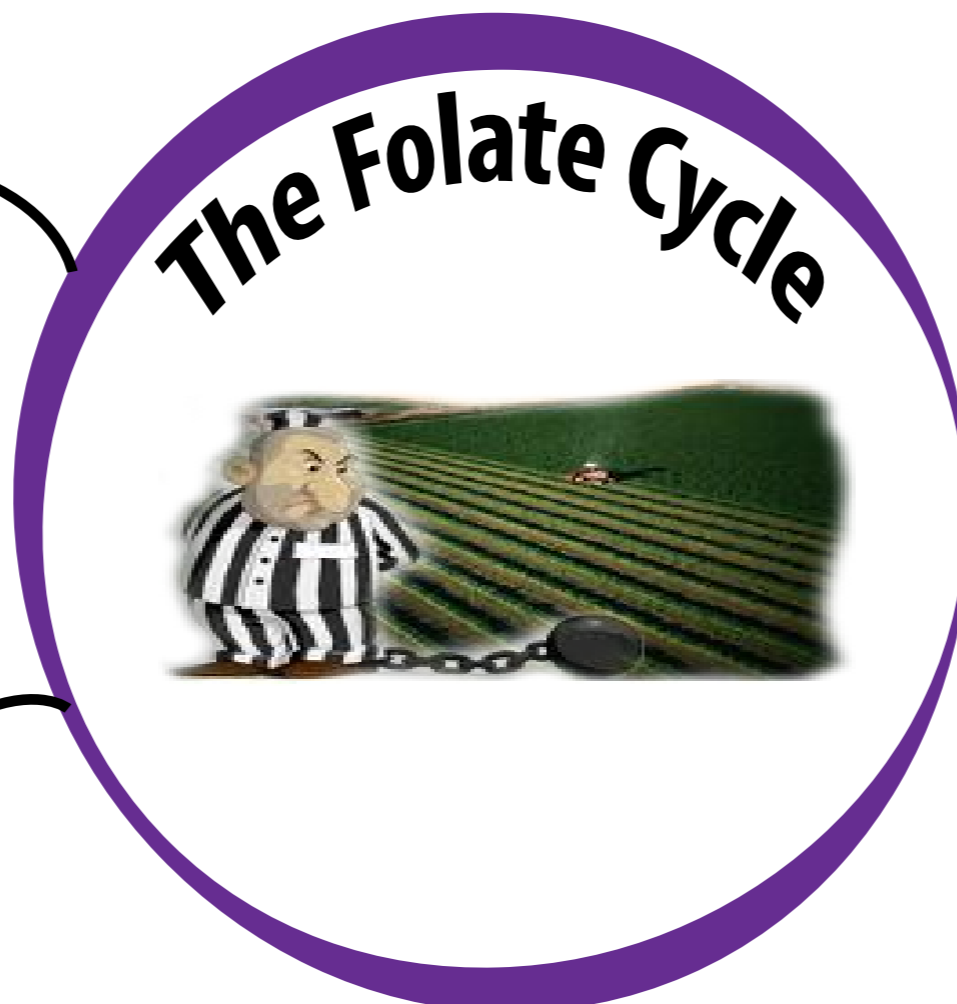


# Folate Cycle

## Organic Farming



*"Stop! Dead End"*

**SHMT**

Converts Folate & Makes Fresh  
 "Home grown" DNA & RNA  
 Defects shift from HCY = Dead End!  
 Fewer work tags  
 Poor brain cell regeneration  
 More infections  
 Poor healing  
 Wrinkling/Aging  
 More stress  
 Gut inflammation

**MTHFR  
C677**

**Little Motherflipper**  
 Converts Folate  
 Defects = ↑ HCY  
 Higher Cancer Rates  
 Strokes & Heart attacks  
 Clotting disorders  
 Alzheimer's/Dementia

\*HCY= Homocysteine, a potentially harmful amino acid used to make work tags thru the MTR/MTRR.  
 \*Methionine = A critical amino acid & work tag from HCY.

*"The Long Way Home"*

**MTR/MTRR**

Converts HCY to Methionine Tags  
 MTR uses B-12/ MTRR recycles B-12  
 Defects = ↓ B-12 & work tags  
 Poor anesthesia response  
 Down's Syndrome  
 Infertility  
 Spina Bifida  
 Fatigue  
 Cancers  
 Anemia

**VDR**

Vit D Receptor

COMT & VDR Taq determine need for work tags

**Taq**

Vit D & Dopamine  
 Gobbles up B-12  
 Osteoporosis  
 Multiple Sclerosis  
 Neurological disorders  
 Seasonal Depression  
 Impacts COMT status

**Fok**

Vit D & Blood Sugar  
 Gobbles up B-12  
 Osteoporosis  
 Hi & Low blood sugars  
 Poor digestion  
 Pancreatic dysfunction

Interacts w/COMT for over/under methylator status