



→ Solution: → Problem: Control sleep Sleep is a waste of cycles time and reduces **←** Long-term productivity alterations (genetic modifications) Potential Applications: military, college Continuous chemical students, etc. treatments

## Is it all in your head?

→ Problem:

Anorexia causes a skewed perception of one's self and can lead to physical self-destruction.



- Alter pathways in the brain
- Seek out potential chemical imbalances (treatments similar to depression)
- Dual approach: social and biological treatments



## Forget Me Not

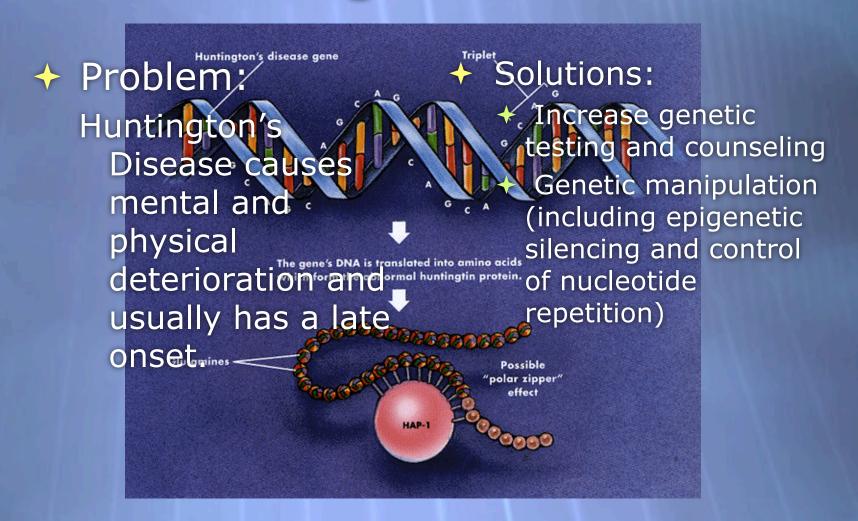


Problem:
Memory loss
associated with
diseases such as
Alzheimer's and
senile dementia.

## → Solutions:

- Reduce chemical imbalances (change diet)
- → Target neurotransmitters and their brain pathways(Ach)
- → Genetic screening to prevent/slow the onset of memory loss
- → Target proteins in the brain

## Hunting For a Cure





→ Problem: → Solutions: How to target and → Develop a deliver drugs, delivery enzymes, etc to mechanism with specific, long-lived the use of cells. receptor-studded vesicles