

# DNA

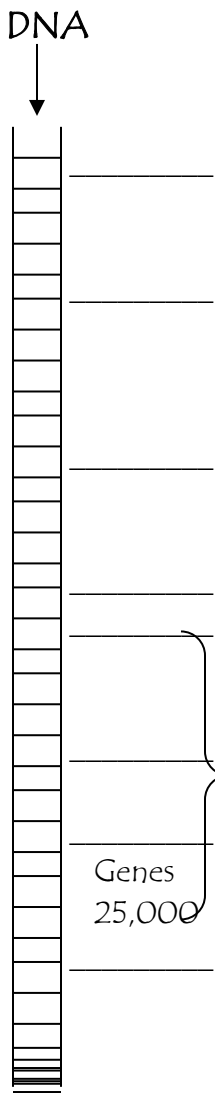
## Life's History and Instruction Book



Jacob's ladder

Cell  
 Nucleus  
 Genome (complete set of DNA organized into chromosomes)  
 Genes are precise sequences (the sequence specifies how, when and where to build and use proteins)  
 Proteins (body's workhorses) perform most essential life functions, often working together as "molecular machines".

Deoxyribonucleic Acid (3 billion base pairs) – Base pairs: Thymine/Adenine & Guanine/Cytosine

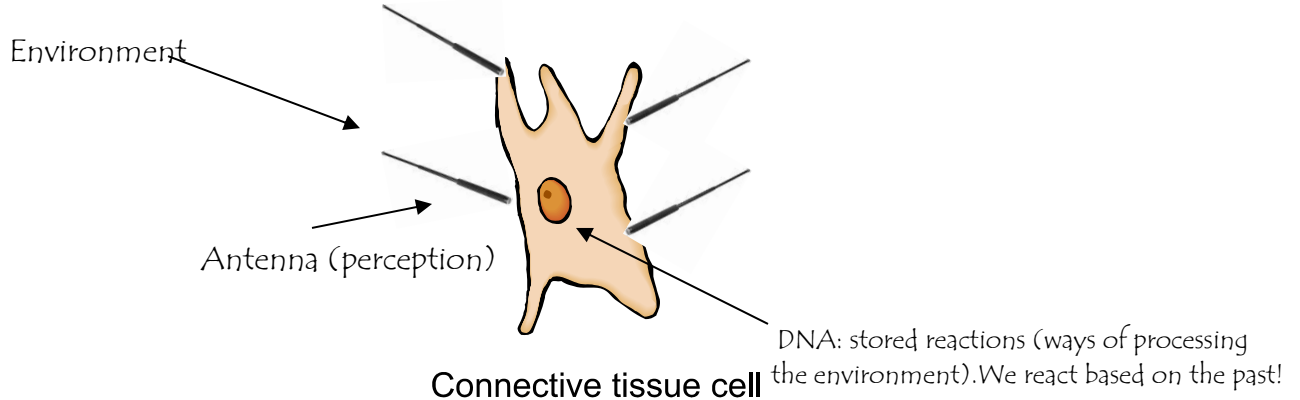


1. Environment signal (asks certain genes to be turned on)
  2. **Perceptions\*** (*mind directs reading of environment & appropriate genes*)
  3. Protein sheath moves (like looking for a book in a library)
  4. Gene (book of direction) is read  
(Genes are blueprints and do not have the ability to turn themselves on or off.)
  5. Proteins are put into action.
- Our needs are dictated by our environment. The body responds to environmental needs by turning on the appropriate genes.
- \*Your perceptions/beliefs/expectations control reactions to your environment!!!!***

Chromosomes, clumps of DNA (23 pairs) with 50 – 250 million base pairs.

<p><u>DNA info:</u>                  FACT:                  -Humans are closely related to worms &amp; yeast.                  -All humans are 99.9% identical.</p> <p>RNA – short term memory (Xerox of DNA)</p> <p>Genes are 1 dimensional                  Genetically prone: "in their blood"</p> <p>Proteins are 3 dimensional                  Proteins = tangles of ribbon                  Proteins shape defines its function</p> <p><b>Faulty shape = faulty function</b></p>	<p>- DNA: Head designer                  - RNA: Subcontractor                  - Proteins: construction workers                  - Building Materials:                  Fats: 3 fatty acids                  Proteins: 20 amino acids                  Sugars: 8 essential</p> <p style="text-align: center;"><b>Are you building a Mansion or a Shack???</b></p>
<p>64 codons    22 Amino Acids</p>	

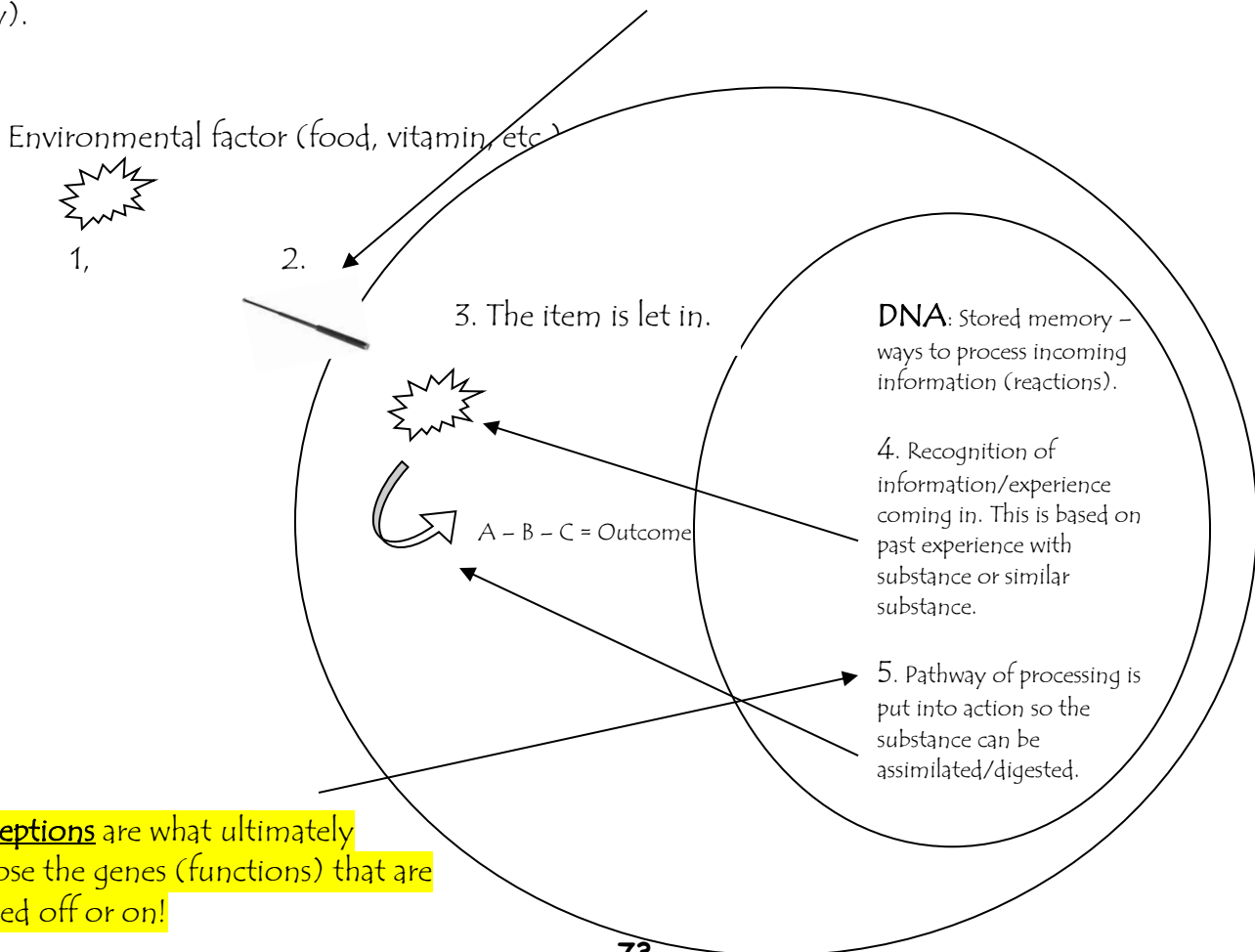
# Cells and the Environment



*Doesn't that cell look like us? Are we what connects the Earth to other celestial bodies??*

The middlemen, the antennas, are the main components in actions we take or don't take.

Your e-motions tune your antennas, which in turn let things in or prevent their entrance (pull or push away).



**Perceptions** are what ultimately choose the genes (functions) that are turned off or on!

# OurCELLves and the Environment

We process our physical reality the exact same way a cell processes its environment. This processing is mostly based on past experiences. When we react a certain way towards our environment our cells follow suit.

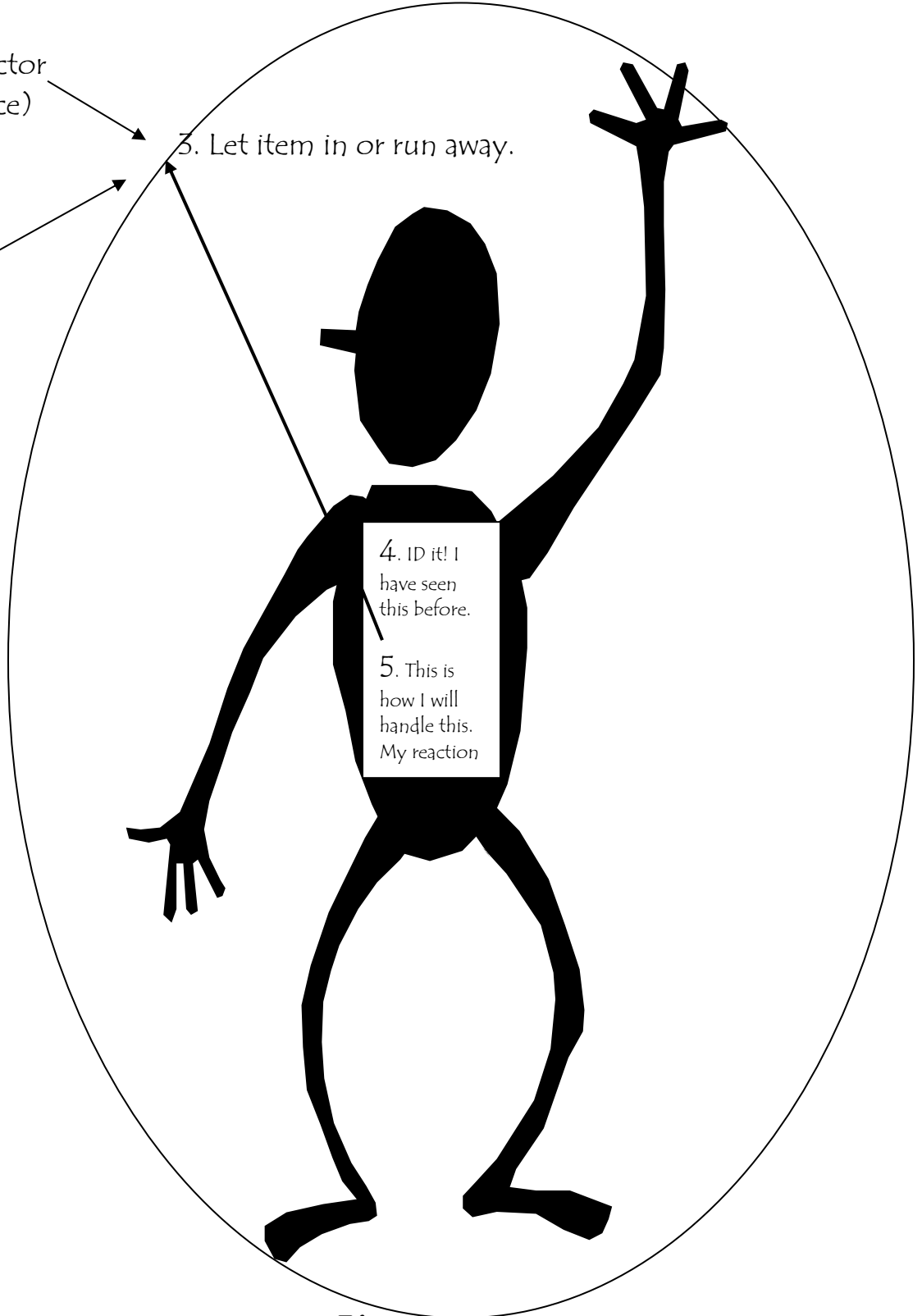
1.  
Environmental factor  
(person, experience)

2.  
Antenna:  
Aura, 5 senses

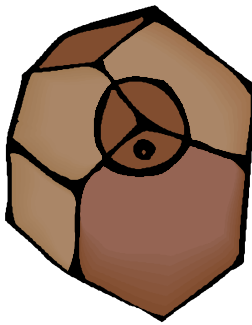
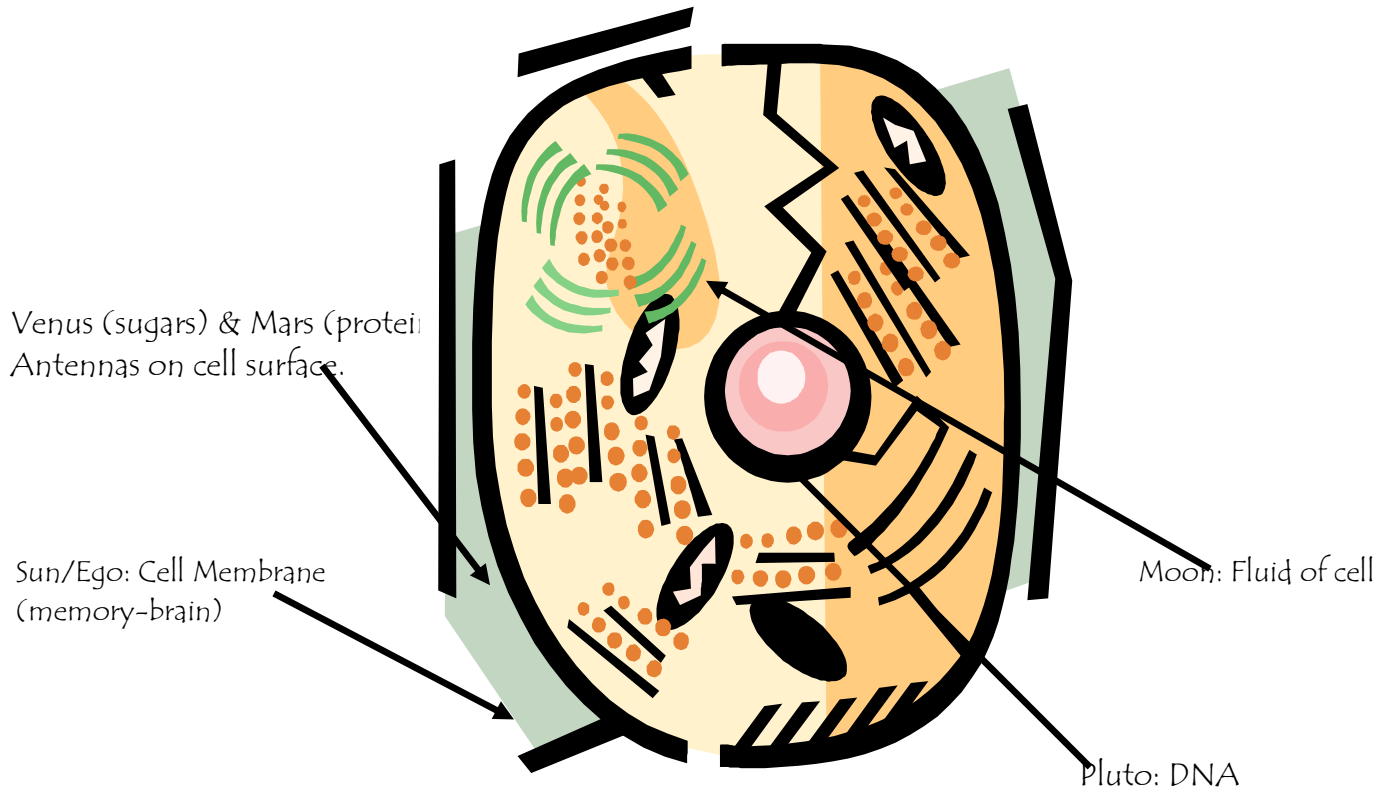
3. Let item in or run away.

4. ID it! I  
have seen  
this before.

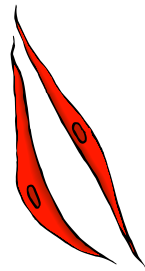
5. This is  
how I will  
handle this.  
My reaction



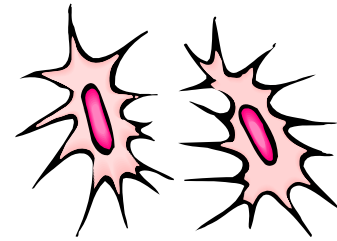
# Many Cells – Many CELLves



Liver Cell



Muscle cell



Bone Cell

The body has many different cells, with many different functions. **The cell's place and time of birth dictates its function/purpose.** NO ONE FUNCTION IS BETTER THAN ANOTHER.

Just like a cell, your birth equals your purpose and worth. Trying to be like someone else is counterproductive. Your purpose **DEMANDS** that you be true to you (true to the purpose of your birth)!!!!