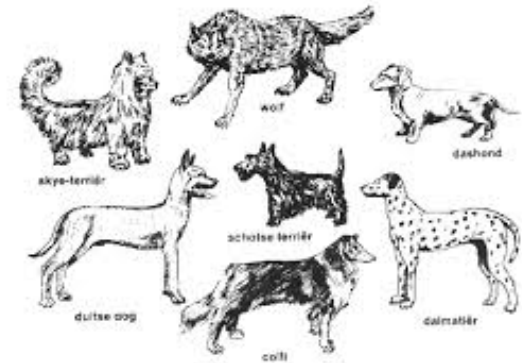
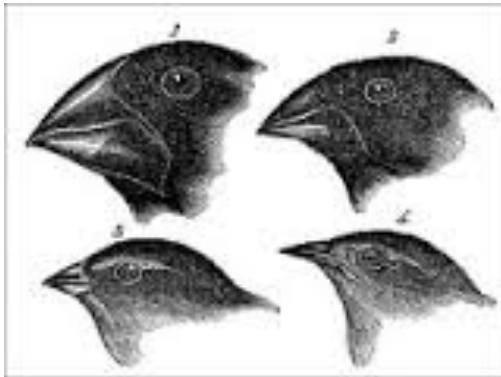
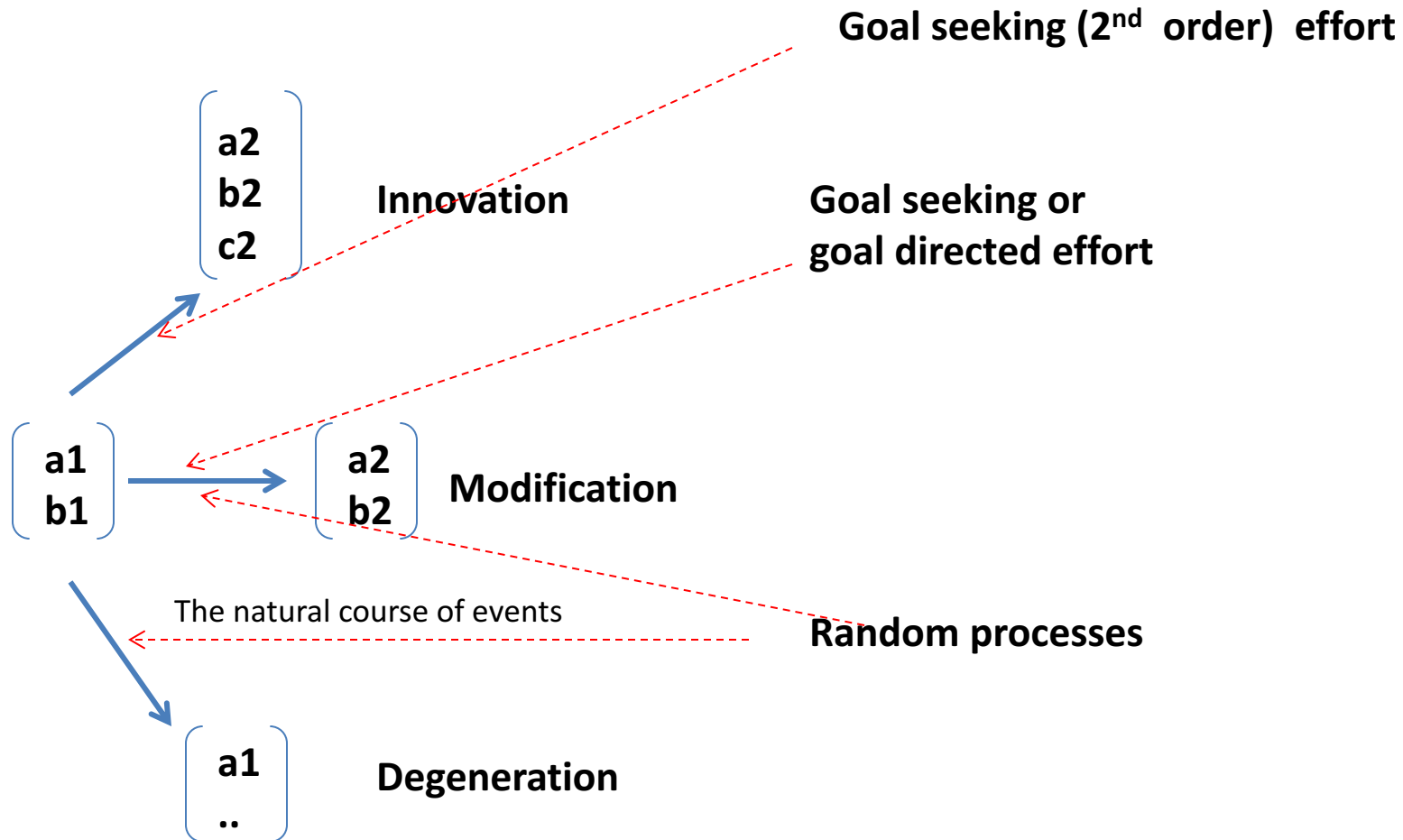


Limitations to Evolution



1. Types of Change



2. The fight against degeneration

Degeneration
(a1
b1)

Every cell loses every day 5000 Adenine and Guanine bases, and 100 Cytosine bases

Random processes

The natural course of events

(a2
..)

**Digital codes
(computerprograms)**

**Nucleotide codes
(DNA)**

Every byte of 8 bits contains a 'paritybit'
Mutation of a byte results in a change of the paritybit, an error message and a crash of the program

Active tracing of mutations at many levels

No mutation repair

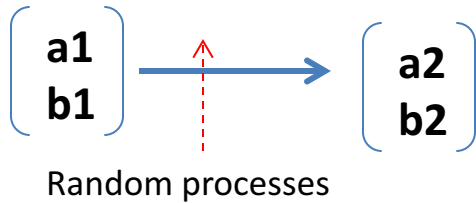
Mutation repair, based on redundancy of information (pairs of DNA-strings, pairs of chromatides, pairs of chromosomes)

Backup

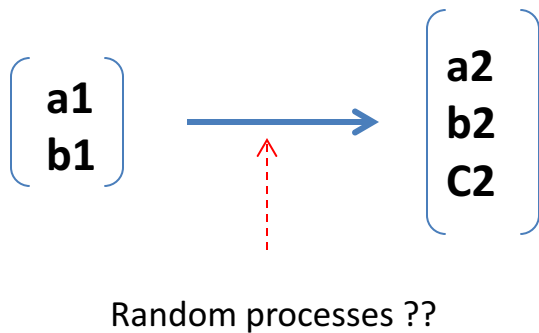
Populations of backups + survival of the fittest

3. How does nature adapt?

Modification / micro evolution



Innovation/ macro evolution



Fundamental conflict with physical reality: the natural course of events is that random processes cause degeneration. They cannot produce the opposite: innovation).



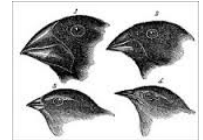
1. Genregulation

2. Recombination of gene variants ('alleles') and selection

No new alleles

No expansion of the size of the DNA

Adaptation within the boundaries of mutation protection



Demands:

Switch off or dysfunctioning of the mutation protection

Result:

Cancer and hereditary diseases
Severe selective disadvantage

4. Conclusions and remarks

Limitations to evolution

1. Limitation 1: Random processes can modify (*micro-evolution*), but not innovate (*macro-evolution*).
2. Limitation 2: The supposed motor of macro-evolutionary theory keeps standing still, by the mutation protection of the DNA.
3. Limitation 3: Unreparable mutations cause cancer and hereditary diseases, and severe selective disadvantage, in stead of continuous improvement and expansion of the DNA

“Where does the DNA come from?”

1. The theory ‘*From God*’ is not testable, and thus not scientific. It is a belief.
2. The theory ‘*By random processes*’ is in conflict with physical reality (see limitations 1, 2 and 3), en thus in conflict with the natural sciences.
3. ‘*We do not know (yet)*’ is a completely normal and acceptable scientific position.
4. Who wants to believe that there are no limitations to evolution is, of course, allowed to do so. However, this belief is an *irrational belief*.
5. The belief that the DNA was produced by an exogenous power (‘*God*’), is a *rational belief*.

Read more : ‘Creation and evolution: the scientific state of affairs’. <http://bit.ly/1QSDrq5>