

## Defeating Darwinism

Before beginning, skim Chapter 5. What do you see? Sections? Headings? Lists? Quotes? As you proceed consider how we must break these into different sections in our outline. For Chapter 5, let's use each bold titled section as different (and main) sections for our outline. Let's also use the first small section as one as well. That will give us 10 primary sections, as follows

1. Opening 2 paragraphs
2. The Story of Life, Starring Gene
3. Information and the Word
4. It Isn't Just Ink and Paper
5. Berra's Blunder Again
6. Let's Review What We Know
7. Opening the Black Boxes of Biology
8. An Attempt to Climb Mount Improbably
9. Science of Philosophy
10. Materialism and the Mind

It's possible that we could even combine some of these categories, and in the future, you may find places where it's useful to do so. But this is a good place to begin. You will see our outline will have 10 main sections, numbered 1 through 10. These will correspond with the headings above, in order.

## Chapter 5

### Intelligent Design

#### Vocabulary

*Black Box* –

*Reductionism* –

#### People

*George C Williams* –

*Michael Behe* –

*Richard Lewontin* –

#### Outline

1. George C Williams was \_\_\_\_\_ . He pioneered \_\_\_\_\_ which simply explained means that \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Defeating Darwinism

(Because we can fit the entire 1st summary into one small paragraph, we do not need to break down the outline any further. We can move on to our second main point, #2. Section 2 below requires that you read the entire section before beginning the outline! Remember to read entire sections before trying to summarize!)

2. A gene has 2 \_\_\_\_\_ which are \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

A few things result from genes in the "gene selection" theory. Called reductionism, these results ultimately mean \_\_\_\_\_  
\_\_\_\_\_.

\_\_\_\_\_. The results are:

- a. Mistakes \_\_\_\_\_  
\_\_\_\_\_.
- b. Some were better at \_\_\_\_\_  
\_\_\_\_\_.
- c. Eventually, some learned to make \_\_\_\_\_  
\_\_\_\_\_.
3. George C Williams eventually realized that there is a flaw in reductionism. Unlike matter, information \_\_\_\_\_  
\_\_\_\_\_.

This relates to genetic coding as such:

- a. A gene is a package \_\_\_\_\_
- b. The pattern of base pairs \_\_\_\_\_
- c. A DNA molecule is \_\_\_\_\_
4. Information, and it's means of transportation are not the same thing. Physical laws can't \_\_\_\_\_  
\_\_\_\_\_ and the probability of random chance producing \_\_\_\_\_.

We see this clearly, such as when (can you find examples in the text?):

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_
5. A selector is \_\_\_\_\_  
\_\_\_\_\_.

Using a selector, it would be possible to \_\_\_\_\_  
\_\_\_\_\_.

But a selector implies \_\_\_\_\_ and therefore, cannot be a solid argument for \_\_\_\_\_ because \_\_\_\_\_  
\_\_\_\_\_.

6. So far, we have learned (be sure to rephrase in your own words):

**Defeating Darwinism**

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_

7. The earliest ideas of evolution were formed when the cell, and most other biology were 'black boxes,' which are \_\_\_\_\_

With a much greater understanding of biology and the complexes of cells, biological functions, etc, we understand that all the parts must \_\_\_\_\_

The evolution theory doesn't \_\_\_\_\_

8. The amount of information in one human body cell is equal to \_\_\_\_\_. Instead of concluding that this massive amount of information must have come from a divine creator, Dawkins concludes \_\_\_\_\_

The steps must be very small because \_\_\_\_\_

But the steps are not verified in study, and we see this in a number of ways (can you find them in the text?):

- a. Professional journals \_\_\_\_\_
- b. New steps \_\_\_\_\_
- c. Textbooks typically \_\_\_\_\_

9. Having an 'implied material philosophy' means that \_\_\_\_\_

Richard Lewontin is \_\_\_\_\_ and he wrote that (summarize in your own words) \_\_\_\_\_

Knowing his strong influence in the scientific community, this shows us that \_\_\_\_\_

10. Materialism cannot explain \_\_\_\_\_  
Chalmers ideas state that \_\_\_\_\_

\_\_\_\_\_ but no matter how compelling, many scientist won't consider this to be worth their time to study because \_\_\_\_\_ and these same scientists have power because \_\_\_\_\_