

## **Review last class: Lesson 20**

Journal Entry #20 The Human Brain <https://www.youtube.com/watch?v=jHxyP-nUhUY>

Learning Objective, an information brochure and a lesson

**Learning objectives: 7-20 assigned:** Each student or student group (max. 2 no exceptions) is given a learning objective to achieve, produce a high quality informational brochure and then teach the class so the class too can achieve the assigned learning objective. Games, crossword, work sheet, power point, discussion, video, reading. Must have three to five questions to test student understanding of concepts

5marks for brochure and 5 marks for lesson for a total of ten marks - final mark will be tripled to give student a mark out of thirty. Example  $8/10 = 24/30$

5. achieved completely, clear understanding – Got it
4. mostly achieved, there but a little unclear –Pretty much got it
3. Just achieved, missing key components, unclear in places – Getting it
2. Started but not achieved, very unclear – Did not get it
1. little to no achievement demonstrated – Missed it

Presentations of Chapter 2 Learning Objective Assignment

## **Today's Class: Lesson 21**

Presentations Learning Objective Chapter 2  
Chapter 2 Quiz

Introduction to Chapter 3

Journal Entry #21 Human Diversity - a  
result of Nature or Nurture?

Identical twins separated at birth

[https://www.youtube.com/watch?v=0yTCShemS\\_0&feature=related](https://www.youtube.com/watch?v=0yTCShemS_0&feature=related)

Power point slides for Chapter 3 -slide #1-11

Text book reading first four learning objectives – In  
writing Answer/Fulfill the fourth learning objective  
and submit for marking.

# Genetic Engineering?

[https://www.ted.com/talks/jennifer\\_doudna\\_we\\_can\\_now\\_edit\\_our\\_dna\\_but\\_let\\_s\\_do\\_it\\_wisely](https://www.ted.com/talks/jennifer_doudna_we_can_now_edit_our_dna_but_let_s_do_it_wisely)

Power point slides for Chapter 3 -slide #12-17

The perfect you!

Human Being genetically engineered for the future? Survival and the betterment of mankind. What would you change therapeutic changes and trait changes.

Look – Sex - Personality – Criminal tendencies – (Thinking - Computational powers) – Sensory and perceptual abilities- Peaceful and happy -Life expectancy – (simplistic explanation) in this change process.

Discuss the Nature/Nurture interaction of Genetic engineering.

OVER

Perfect You Brochure: /15

1. What would you change? 1 Therapeutic and 2 Trait changes (3 marks)

2. How would you do this? Simplistic explanation using your knowledge of what DNA is and how it works. (3marks)

3. Definitions – DNA, Gene, Genome, Chromosomes (4 marks)

4. Nature – Nurture: Interaction between our genetics and our environment in genetic engineering. (5 marks)

Bonus: Sentence or two in which you discuss the ethical implications of the changes you intend to make. (2 marks)