



## UNIT #2 WHAT MAKES ME WHO I AM AND CAN I BE CHANGED?

Banana Kelly High School — South Bronx, NYC Mr. Napoleon Knight • 10<sup>th</sup> Living Environment

### ***THE 6<sup>TH</sup> DAY*** PRE-VIEWING CREATING HYPOTHESIS BASED ON DATA & PRIOR KNOWLEDGE

NAME: \_\_\_\_\_ HOUR: \_\_\_\_\_

#### TITLE CARD #1

GOD CREATED MAN IN HIS OWN IMAGE, AND BEHOLD, IT WAS VERY GOOD. AND THE EVENING AND THE MORNING WERE THE SIXTH DAY. GENESIS 1.27, 31

1. What is **fact**? Create a working definition or draw a picture of the work here:

2. What is **fiction**? Create a working definition or draw a picture of the work here:

3. What is **a clone**? Create a working definition or draw a picture of the work here:

4. What is **the human genome**? Create a working definition or draw a picture of the work here:

5. Think back to 9<sup>th</sup> grade TMS — what is **a hypothesis**? Create a working definition or draw a picture of the work here:

The following statements present information from and related to the opening credits of **The 6<sup>th</sup> Day**. Using your prior knowledge and experience do you believe the statement is fact or fiction? Draw a ● on the Line representing your guess about the VALIDITY of the statement.

**2.23.97 SCIENTISTS CLONE A SHEEP NAMED DOLLY**



**WHEN YOU EAT A HAMBURGER YOU MIGHT BE EATING MEAT FORM A CLONED COW**



**HUMAN CLONES ARE LIVING IN NEW YORK CITY**



**6<sup>TH</sup> DAY LAWS PASSED – HUMAN CLONING BANNED.**



**WE CAN CLONE PARTS OF A HUMAN e.g. WE CAN CREATE AN “EYEBALL FARM”**



**6.26.00 HUMAN GENOME PROJECT SUCCESSFULLY MAPS HUMAN GENETIC BLUEPRINT: DNA**



## 1ST PIECE OF DATA

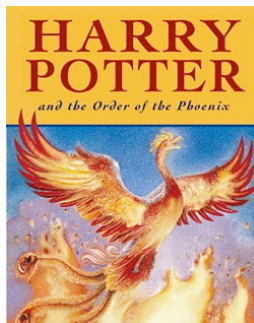
## THE OPENING CREDITS

12. What were the opening credits about?

## 2ND PIECE OF DATA

## THE QUARTERBACK IS NAMED JOHNNY PHEONIX

The Phoenix Myth - IN GREECE AND EGYPTIAN **MYTHOLOGY** the phoenix is a beautiful, lone bird which lives in the Arabian desert for 500 or 600 years and **then sets itself on fire, rising renewed from the ashes to start another long life: a symbol of immortality.**



## 3RD PIECE OF DATA

## JOHNNY IS WHEELED OUT BY ROBERT MARSHALL

ROBERT MARSHALL  
(standing next to EMT)

He only wants Johnny to have the absolute best of care.

EMT

His sixth cervical vertebra is crushed.

ROBERT MARSHALL

It may not be as bad as you think it is.

Marshall LOCKS EMT out of the ambulance.

ROBERT MARSHALL

Status? We have a lifetime contract with a vegetable. Maybe we can trade him to LA? Sure, sure we'll get right on it (holds Johnny's eyes. You're going to have to take one for the team.

## 4RD PIECE OF DATA

## THE ACTION AND DIALOUGE AS ADAM WAKES UP

ADAM GIBSON (Arnold Schwarzenegger) looks into his TV mirror:

ADAM

(to wife)

Do I look any different to you?

WIFE

Oh, gee you shaved your mustache

ADAM

If I had a mustache.

WIFE

Then no.

MIRROR NEWS

Johnny Phoenix will play next week. An early **diagnosis** had him sidelined, but further investigation of his injuries proved them to be minor. At 11:00 PM you have a VIP client named Michael Drucker and by the way – Happy Birthday!

## CREATING HYPOTHESIS BASED ON DATA

## THE QUESTIONS

Now you must be a SCIENCE DETECTIVE! Based on the PIECES OF DATA (previous page) you have been presented in the first five minutes of the film create hypothesizes for the following questions.

What happened to Johnny Phoenix? HINT: Look carefully at the 2<sup>nd</sup> piece of data.

### 13. YOUR HYPOTHESIS

### 3 PIECES OF DATA THAT SUPPORT YOUR HYPOTHESIS

14.

15.

16.

What story might unfold about Adam Gibson (Arnold)? What might his name be a reference to? (HINT: Look carefully at pieces of data 1&4)

### 17. YOUR HYPOTHESIS

### 3 PIECES OF DATA THAT SUPPORT YOUR HYPOTHESIS

18.

19.

20.

**15. THE SUPER DUPER CHALLENGE QUESTION:** Films carefully weave information together — that being said what do you know about the person Robert Marshall (the guy handling Johnny Phoenix) was talking to on the phone. What are some words to describe the person on the phone? Do we have any idea what their name might be based on the data presented?

### 21. YOUR HYPOTHESIS

### 3 PIECES OF DATA THAT SUPPORT YOUR HYPOTHESIS

21.

22.

23.

## LESSON PLAN STEPS & OBJECTIVES

### Objectives

- 1 Students will learn genetic vocabulary as evidenced by their ability to work with it in a text (film)
2. Students will generate hypothesizes based on pieces of data as evidenced by their ability to make predictions in a film.

### **1. VIEW AND POST-IT (7 MIN)**

- A. Opening Clip 00:00-1:47
- B. Write on a post it any questions you had put on butcher paper?
- C. Highlight Questions of note?

### **2. EXPLAIN PURPOSE OF FILM & VOCAB (10 MIN)**

- A. Explain that we will be watching the whole movie but we want to check out where people are with these topics.
- B. Explain that study guide if for points.
- C. DEFINE WORDS WITH CLASS
  - Fact
  - Fiction
  - Clone
  - Genome
  - Hypothesis

### **3. FACT VS FICTION ACTIVITY (10 MIN) – VALUE LINE ON FLOOR**

- A. Replay Opening Clip 00:00-1:47
- B. FACT OR FICTION ACTIVITY – Explain instructions on the value line. That they need to put a diamond on where they think things might fall.
- C. Read each statement and have students figure pout where they stand on the floor and explain why.

### **4. WATCH FIRST FIVE MINUTES OF FILM (ALL THREE SCENES) (15 MIN)**

- A. Go over “data” page
- B. Go over questions you need to try to answer individually.

### **5 WATCH AGAIN AND GENERATE HYPOTHEISIS WITH PARTNER? (15 MIN)**

- A. Work with partner.
- B. Share out on butcher paper?

Based on the Piece of Data #1 and #4. What story might unfold about Adam Gibson (Arnold)? What might his name be a reference to?

<b>KEY VOCABULARY</b>	<b>DNA TERMS</b> DNA DNA Replication Nitrogenous Bases Mutations Genes Chromosomes Amino Acids Ribosome Protein Synthesis	<b>BIOTECHNOLOGY TERMS</b> Genetic Engineering Biotechnology Cloning Stem Cell Research Genetic Screening Forensics Genetically Modified foods
	<b>POLITICAL TERMS</b> Senate Senate Hearing Special Interest Group Congressional / Senate Hearing	<b>GENERAL VOCAB &amp; CONCEPTS</b> Nature vs. Nurture Heredity Fiction