**Reading Article of the Week
*Real Benjamin Buttons Brothers: Matthew and Michael Clark are Aging Backwards (1160L)***

**Instructions: COMPLETE ALL QUESTIONS AND MARGIN NOTES**

**Read** the following article carefully and **make notes in the margin** as you read.

Your notes should include:

* Comments that show that you **understand** the article. (A summary or statement of the main idea of important sections may serve this purpose.)
* Questions you have that show what you are **wondering** about as you read.
* Notes that differentiate between **fact** and **opinion**.
* Observations about how the **writer’s strategies** (organization, word choice, perspective, support) and choices affect the article.

Your **margin notes** are part of your score for this assessment.

Answer the questions carefully in **complete sentences** unless otherwise instructed.

**Student \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Class Period\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# Real Benjamin Buttons Brothers: Matthew and Michael Clark are Aging Backwards

By the looks of their home, Tony and Christine Clark are raising two rambunctious 7-year-old boys. Model train tracks and Monopoly pieces are scattered on tables and cartoons flicker on the TV set.

But the Clarks' two sons are grown men who share only the same interests and emotional fluctuations of little boys. Like the character portrayed by Brad Pitt in the 2008 film "[The Curious Case of Benjamin Buttons](http://movies.yahoo.com/movie/the-curious-case-of-benjamin-button/)," Matthew, 39, and Michael, 42, are aging backwards.

The brothers were diagnosed with a terminal form of leukodystrophy, one of a group of extremely rare [genetic disorders](http://yhoo.it/TfHwWd) that attack the myelin, or white matter, in the nervous system, spinal cord, and brain. In the Clarks' case, the condition has not only eroded their physical capacities, but their emotional and mental states as well.

Only six years ago, both brothers were holding down jobs and growing their families. Today, they spend their days in the care of their parents, both in their sixties, playing with Mr. Potato Head, fighting over Monopoly, and in rare lucid moments, struggling to understand why their lives have changed so dramatically.

Before the Clark Brothers were diagnosed, they were living independent lives. Michael served in the Royal Air Force and later became a cabinet maker. Matthew worked in a factory and was raising a teenage daughter. Tony and Christine, meanwhile, had retired and moved from the UK to Spain. Then in 2007, both of their sons fell off the radar. They stopped returning their parents' calls and texts, and as the Clark brothers' conditions developed, their lives fell apart.

Michael surfaced in a soup kitchen, and was referred to medical experts by social workers. After an MRI scan, he was diagnosed with the incurable degenerative disorder. Soon after, Matthew received the same news. In the U.S. alone, about 1 in 40,000 children are born with a form of the neurodegenerative disease, according to Dr. William Kintner, president of the [United Leukodystrophy Foundation](http://ulf.org/). While some forms of the disorder are potentially treatable if discovered in the earliest stages and not all cause an emotional regression, the brothers are unlikely to be cured. "It's very difficult to do anything once progression has occurred," Dr. Kintner states.

As of April, when the Clarks were first [written about in the British press](http://www.telegraph.co.uk/health/healthnews/9236512/Brothers-diagnosed-with-Benjamin-Button-age-reversing-disease.html), their mental age was 10. "We will be out walking and things which might interest a toddler interest them, the other day we were walking home when Michael saw a balloon and pointed it out to us," father Tony Clark, told The Telegraph last spring. Today, the brothers are even younger mentally. "Just like small children, they wake up a lot during the night," mom Christine said in an interview published in [The Independent](http://www.independent.co.uk/life-style/health-and-families/health-news/the-curious-case-of-the-boys-who-live-backwards-8348395.html) this week. "I was up seven times with them last night."

After learning of their diagnoses, Tony and Christine returned to the UK and moved in with their sons. Their daily struggles as a family have been chronicled in a British documentary, "The Curious Case of the Clark Brothers," airing Monday in the UK. Earlier this year, Matthew became a grandfather, when his daughter had a son. But the news for the family was bittersweet, as the Clark brothers' mental age continued to creep backwards. "There's no return to them being cute little boys," said Christine, who regularly manages their tantrums and fights over Monopoly. "They're big strong men—and that presents a quite different set of problems."

More recently, even their physical strength began deteriorating. "A few weeks ago, they could still manage with a knife and fork, but now that's getting too difficult for them—they get the food onto their forks, but somehow it all falls off before it reaches their mouths," she said. Now, walking is the next hurdle; Matthew is already confined to a wheelchair.

"The likelihood that they're on a terminal course is fairly certain, but who knows?" says Dr. Kintner, who is familiar with the Clark case but didn't meet the brothers. "If they were citizens of U.S., we'd try to get them to the National Institute of Health for diagnostic work, but in the UK the system is different. There is no comparable organization with genetic diseases, so it's a little more difficult there."

Dr. Kintner estimates there are several million cases of one of the estimated 40 types of leukodystrophies in the U.S., but an exact number is hard to pinpoint. The different forms of the disorder are still being identified and tests for each known type are still being developed. "It's going to take a long time," says Dr. Kintner. "I hope in my lifetime I see a cure for some of them."

***Notes on my thoughts, reactions and questions as I read:***

**Reading Article of the Week
*Real Benjamin Buttons Brothers: Matthew and Michael Clark are Aging Backwards (1160L)***

***Notes on my thoughts, reactions and questions as I read:***

**Reading Article of the Week
*Real Benjamin Buttons Brothers: Matthew and Michael Clark are Aging Backwards (1160L)***

**Comprehension questions – answers may be in phrases**

1. *What is the name of the genetic disorder in which the brothers were diagnosed?*
2. *What are the brothers’ first names and ages?*
3. *In what country do the brothers reside?*
4. *What actor portrayed the character “Benjamin Button” in the movie mentioned?*
5. *How many types of the genetic disorder are there?*
6. *What U.S. organization could possibly offer the brothers some help if they lived in the U.S.?*

*7/8.RL.1*

***2.* Answer each question in one or more complete sentences.**

*What does it mean when the author states, “The likelihood that they're on a terminal course is fairly certain”?*

*What is the significance of the title of the documentary?*

*Define a “rare lucid moment” as used in the article?*

*7/8.RL.2/4 & 7/8.L.4*

**Reading Article of the Week
*Real Benjamin Buttons Brothers: Matthew and Michael Clark are Aging Backwards (1160L)***

**3.**  *What are some possible reasons the family would be willing to share their unique story with the world in a documentary. Cite evidence from the text to back up your opinion.*

*7/8.RL.1-6*

**(**

**4.** *Describe what you believe would be a normal day in the Clark household. Cite examples from the text to back up your thoughts.*

*7/8.RL.5*