**Title:** When The People You Love **Your name:** Ashley

**Logical Leaps Assignment #1**

## My idea for how science fits into my story is…

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| The father, Marcus Nadella, performs a procedure on his dying daughter that has not yet been approved for human use.  |

## The scientific vocabulary words and processes that are connected to my idea are...

|  |  |
| --- | --- |
| **Name** | **Definition of Word/Description of Process** |
| Heart diseases | * Could also be known as “Cardiovascular Disease”
* Basically anything that could be wrong with your heart
 |
| Transgenics | * organisms that are able to express another organism's genes
 |
| Genomics | * looking at DNA
	+ sequencing methods
* bioinformatics
 |
| [Arrhythmogenic Right Ventricular Dysplasia (ARVD)](http://www.hopkinsmedicine.org/heart_vascular_institute/conditions_treatments/conditions/arvd.html)  | * also known as arrhythmogenic right ventricular cardiomyopathy (ARVC)
* a rare
* serious
* inherited disorder
	+ should test immediate family for this disease
* common cause of sudden cardiac death in young people
* causes the heart muscle to be replaced by fibrous and fatty tissue, leading to arrhythmias and heart failure
* treatment:
	+ medication
	+ implantable cardioverter defibrillators (ICDs)
	+ catheter ablation
 |

## Real Science vs. “Logical Leap”:

|  |  |
| --- | --- |
| **Real Science** | **Logical Leap that I am taking** |
| * [Arrhythmogenic Right Ventricular Dysplasia (ARVD)](http://www.hopkinsmedicine.org/heart_vascular_institute/conditions_treatments/conditions/arvd.html)
	+ treatment:
		- medication
		- implantable cardioverter defibrillators (ICDs)
		- catheter ablation
 | They are researching a new treatment.* Transgenics
	+ Trying to find a way to use other animals DNA to regrow key organs?
		- Which is why she “de- evolves” and turns into a chimpanzee
 |

## Issues that I am having incorporating the science into my story are/might be...

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| I am having trouble creating my own “treatment.” I know I want there to be chimpanzee DNA within the treatment that causes the daughter to turn into a chimpanzee.  |

**Questions:**

* **Can you regrow a heart?**