**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...

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| **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”:

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| --- | --- |
| **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?**