**Directions/Purpose:** You are going to apply your new knowledge of brain structures and their functions by synthesizing a storyline of a superhero battling a supervillain by writing a paper detailing their superpowers and confrontation and creating pictures of them using their powers (optional). You will use this sheet to plan out your project.

- **Step 1:** Invent the superhero and supervillain. You will determine their superpowers by picking brain structures for each that have been “altered” in some way to grant them special functions that connect to the function of the brain structure. Your superhero and supervillain must each have three brain abnormalities (and three resulting superpowers) each.
  - *For example, maybe their pituitary gland has been altered so they grew abnormally large like The Hulk (or shrunk abnormally small like Ant-Man)! Or maybe their parietal lobe didn’t develop properly and doesn’t receive afferent neurons and they can no longer experience pain!*

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Superhero Name: _______________________________

Superhero Power 1: ______________________ (Corresponding Brain Structure): ___________________

Superhero Power 2: ______________________ (Corresponding Brain Structure): ___________________

Superhero Power 3: ______________________ (Corresponding Brain Structure): ___________________

What is the Superhero’s back story? How did his/her brain parts become altered (describe each)?
__________________________________________________________________________________________
__________________________________________________________________________________________
__________________________________________________________________________________________
__________________________________________________________________________________________

Supervillain Name: _______________________________

Supervillain Power 1: ______________________ (Corresponding Brain Structure): ___________________

Supervillain Power 2: ______________________ (Corresponding Brain Structure): ___________________

Supervillain Power 3: ______________________ (Corresponding Brain Structure): ___________________

What is the Supervillain’s back story? How did his/her brain parts become altered (describe each)?
__________________________________________________________________________________________
__________________________________________________________________________________________
__________________________________________________________________________________________
__________________________________________________________________________________________

- **Step 2:** Create a rough sketch of each showing off their powers. Make it simple; you’l develop the actual pictures once you begin your project. This is optional for one extra point.
• **Step 3**: Plan the structure of your paper. I recommend organizing it in the following segments, but you don’t HAVE TO. Feel free to be creative if this style doesn’t work for you. Non-traditional storylines can sometimes be the most interesting to read!

**Introduction.** Begin the paper by introducing the superhero and supervillain. Who are they? Where do they live? What’s their backstory? What are their lives like? What happened to their brain and how did they acquire their powers? *(notes to help you write this section later ✓)*

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**Confrontation.** What happens in the plot to bring the two characters together? Does the supervillain commit a horrific act or plan to commit a horrific act that the superhero is determined to stop? What happens during their battle? *(notes to help you write this section later ✓)*

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__________________________________________________________________________________________
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**Conclusion.** Who is the victor of the confrontation? How is the location/population affected? What happens to the superhero and villain? How does the story end? What happens to their powers in the future? *(notes to help you write this section later ✓)*

__________________________________________________________________________________________
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• **Step 4**: Begin writing your paper and creating your drawings (optional). Your paper will be assessed via the rubric below. To earn full credit, all designated elements must be satisfied completely.

**Formatting, Organization, and Sequencing**
- 12 point font, at least 2 pages typed (double-spaced), 1” margins
- Appropriate formatting of paper including proper paragraph structure, spelling, and grammar
- Story follows logical structuring and is easy to follow with appropriate details and plot elements

**Application of Psychology:**
- Three brain structures or neurological systems are altered for each character and their connected superpowers correspond with the appropriate biological functions

**Drawings:**
- Artistic renditions of the superhero and supervillain demonstrate time and effort (you will not be assessed based on your art skills but you need to make obvious a determined attempt to perform to the best of your ability)
- Pictures include the superhero and supervillain utilizing their specified superpowers

*Essay is worth 2 potential points; drawing is worth 1 potential point*

**Total:** ________ / +3 points