

**Edit** \*BEFORE CLASS\*

Take the reading quiz linked to below.

**Edit**  [Ch 6 Reading Quiz](#)**Edit****\*IN CLASS ACTIVITIES\*****HYPOTHESIS DEVELOPMENT - 19 points - go to doc in google folder**

**1) (1 pt)** What is your research topic? (Example: Exercise and cognitive function)

**2) (2 pts)** What is your research question? Write it here, and on padlet

(<http://padlet.com/DrAllred/ResearchQs>). Make sure you use your team name as your name on padlet.

(Example: Do you think better if you are walking?)

**3) (2 pts for each — 16 pts)** For each Team's research question (including your own): A) identify the team; B) write the question (copy from padlet) and C) identify (here, in the google doc) the null hypothesis and the research hypothesis.

Write this in two ways: (1) write it in words; (2) Write it in symbols. D) Identify if it is a non-directional or directional hypothesis. Please note that you will find the other teams' research questions on the wall

(<http://padlet.com/DrAllred/ResearchQs>)

**Here is an example of Question 3)**

**A)** Team Dr. Allred

**B)** Do you think better if you are walking?

**C-1)** The null hypothesis ( $H_0$ ) is that walking has no effect on thinking ability. The research hypothesis is that walking does have an affect on thinking ability.

**C-2)**  $H_0$ ;  $\text{mean}(\text{walking}) = \text{mean}(\text{non-walking})$

$H_1$ ;  $\text{mean}(\text{walking})$  is not equal to  $\text{mean}(\text{walking})$

**Back****Next**