Psychology 12 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Mr. McElroy

**UNIT 1 & 2 ASSESSMENT**

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**Case Study:**School psychologists want to determine to what extent social media affects the behaviour of children aged 13-15. They construct two groups, one experimental and one control. One group of children is given a smartphone and laptop but with limited apps and no social media access (They cannot access Instagram, Snapchat, Facebook, etc). The other group have smartphones and laptops with full access to the range of social media apps out there. Each week the psychologists interview the students, making anecdotal notes about levels of happiness, anxiety, sadness, accounts of bullying, etc.

**Questions:**

1. Identify which group of children is the **control** group. Which is the **experimental** group?
2. Identify the **independent variable.**
3. Identify the **dependent variable(s).**
4. Create a possible **hypothesis** for this experiment.
5. Describe how the team of psychologists would select children for the experiment if they were attempting to create a **stratified sample** of the student population.
6. Finally, defend or argue the **ethics** of this type of experiment.

**Experiment:**Create a cross-sectional study that could be used at Pen Hi that would research the effect that having a computer in your bedroom at night has on sleep. Your study needs the following:

1. A hypothesis.
2. How you selected your sample population. (random vs stratified)
3. Who is the control group? Experimental group?
4. What is the independent variable? What are the dependent variables?
5. A set of 5 survey questions.
6. A consideration of the ethics of your experiment.
7. Any possible external variables (that you didn’t include) that could affect the results.

**Hypothesis:**

**Sample Pop’n:**

**Control Group: Experimental Group:**

**Independent Variable: Dependent Variables:**

**Survey Questions:**

**1.**

**2.**

**3.**

**4.**

**5.**

**Ethical Considerations**

**Possible External Variables**