*Psychology Chapter 2:1 note-taking guide*

*Chapter 2: Section 1*: *Conducting Research*

* *Main Objective:*
* List AND explain the steps scientists follow in conducting scientific research.

STEPS IN SCIENTIFIC RESEARCH

1. Form a \_\_\_\_\_\_\_\_\_\_\_ (posing a \_\_\_\_\_\_\_\_\_\_ based on experience, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or common knowledge) \*\**Construct*: Cannot be seen or measured (EX: anxiety)…Therefore, research questions directed toward *behavior*.

2. Form a \_\_\_\_\_\_\_\_\_\_\_\_ (making an educated guess). Worded in an “If” / “Then” statement.

EX: If I brush my teeth, then I can prevent cavities.

3. \_\_\_\_\_\_\_ the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (examining the evidence through any of a variety of means)

4. Analyze Results (looking for \_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the evidence)…you ask what findings mean.

5. Draw a \_\_\_\_\_\_\_\_\_\_\_\_ (determine the findings support the hypothesis, \_\_\_\_\_\_\_\_\_\_ it if they do not)

* *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*:
  + For the findings of a study to be confirmed, the study must be \_\_\_\_\_\_\_\_\_\_\_\_\_\_ 🡪 the study must be repeated– and it must produce the *same* results as before.
* *How do researchers make sure that their findings are correct????*
  + Different animals/ female vs. male (are females going to show the same aggressive tendencies)
  + Humans: Use different \_\_\_\_\_\_\_; \_\_\_\_\_\_; \_\_\_\_\_\_\_\_\_\_\_\_; socioeconomic status; education level; geographic settings; etc…. to verify that findings are consistent among the population or just specific to one subgroup
* *New Questions:* New research questions can develop.

Process must \_\_\_\_\_\_\_\_\_\_\_\_ ALL OVER again…beginning with another \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.