

AP Psychology Study Guide

History and Approaches (2-4%)

- Psychology is derived from physiology (biology) and philosophy
- **EARLY APPROACHES**
 - **Structuralism** – used **INTROSPECTION** (act of looking inward to examine mental experience) to determine the underlying **STRUCTURES** of the mind
 - **Functionalism** – need to analyze the **PURPOSE** of behavior
- **APPROACHES KEY WORDS**
 - **Psychoanalytic/dynamic** – unconscious, childhood
 - **Behavioral** – learned, reinforced
 - **Humanistic** – free will, choice, ideal, actualization
 - **Cognitive** – Perceptions, thoughts
 - **Evolutionary** – Genes
 - **Biological** – Brain, NTs
 - **Sociocultural** – society
 - **Biopsychosocial** – combo of above
- **PEOPLE:**
 - **Mary Calkins:** First Fem. Pres. of APA
 - **Charles Darwin:** Natural selection & evolution
 - **Dorothea Dix:** Reformed mental institutions in U.S.
 - **Stanley Hall:** 1st pres. of APA 1st journal
 - **William James:** Father of *American* Psychology – functionalist
 - **Wilhelm Wundt:** Father of Modern Psychology – structuralist
 - **Margaret Floy Washburn:** 1st fem. PhD
 - **Christine Ladd Franklin:** 1st fem.
- **RANDOM TERMS**
 - **Basic research** – purpose is to increase knowledge (rats)
 - **Applied research** – purpose is to help people
 - **Psychologist** – research or counseling – MS or PhD
 - **Psychiatrist** – prescribe medications and diagnose – M.D.



- **Independent Variable:** manipulated by the researcher
 - **Experimental Group:** received the treatment (part of the IV)
 - **Control Group:** placebo, baseline (part of the IV)
 - **Placebo Effect:** show behaviors associated with the exp. group when having received placebo
 - **Double-Blind:** Exp. where neither the participant or the experimenter are aware of which condition people are assigned to (drug studies)
 - **Single-Blind:** only participant blind – used if experimenter can't be blind (gender, age, etc)
- **Dependent Variable:** measured variable (is **DEPENDENT** on the independent variable)
- **Operational Definition:** clear, precise, typically quantifiable definition of your variables – allows **replication**
- **Confound:** error/ flaw in study
- **Random Assignment:** assigns participants to either control or experimental group at random – minimizes bias, increase chance of equal representation
- **Random Sample:** method for choosing participants – minimizes bias
 - *Assignment and sampling can be done via names in a hat, computer generation*
- **Validity:** accurate results
- **Reliability:** same results every time
- **NATURALISTIC OBSERVATION:**



- **The stronger the # the stronger the relationship REGARDLESS of the pos/neg sign**
 - **3rd variable problem** – diff. variable is responsible for relationship (breast implants & suicide)
 - **Illusory correlation** – belief of correlation that doesn't exist (old man predicts rain from arthritis)
 - **CASE STUDY:** Adv. Studies ONE person (usually) in great detail – lots of info Disadv: No cause and effect
 - **DESCRIPTIVE STATS:** shape of the data
 - **Measures of Central Tendency:**
 - **Mean:** Average (use in normal distribution)
 - **Median:** Middle # (use in skewed distribution)
-
- **Mode:** occurs most often
- **INFERENTIAL STATISTICS:** establishes significance (meaningfulness)
- **STATISTICAL SIGNIFICANCE** = results

Research Methods (8-10%)

- **EXPERIMENT:** A & B = cause and effect

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The Princeton Review



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web st offers a set of monolithic multifunction alternator voltage regulators that include a control section the field power stage a fault diagnostic circuit to drive a warning light and integrated protection against short circuits

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web figure 1 using an automotive alternator as a generator if you obtain two alternators you may use one as a generator and the other as a motor as described in an optional portion of this project the steps needed to prepare an alternator as a three phase generator and as a three phase motor are the same making the process easy to replicate

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