

Week 6 # 80 Change of Pattern

Purpose – To test your power of concentration

Link to Week # 4 - What are three parts of the nervous system? Brain Spinal Cord, Nerves

Introduce Experiment

(Questions)

Does your brain ever get tired? Has someone ever told you something and you realized you didn't remember what the person just said? Can you name a situation where it is especially good to be attentive? Possible answers...**driving, in class/church, during music lessons, etc...**Other than coffee, do you think it is possible to wake our brain up so that we can really focus on something important?

(Purpose)

Our purpose today is to test/demonstrate our power of concentration by doing two different experiments. The 1st one will involve your two hands doing the same thing at the same time and the 2nd one will involve your two hands doing two different things at the same time.

(Materials)

Our materials for this experiment will be your hands.

(Hypotheses)

With a show of hands, which do you think will take more concentration?

To do the same motion with both hands

To do two different motions with both hands

(Procedure)

Everybody stand up! For the first experiment...Take one hand and put it on your head. Take the other hand and put it on your stomach. Now pat both hands. Is that easy? Stop.

Now for the second experiment, resume patting. Everybody patting? **Yes!** Continue patting your head and start rubbing your stomach in a circular motion instead of patting it.

(Results)

With a show of hands, which was easier?

To do the same motion with both hands

To do two different motions with both hands

(Conclusion)

Slightly different than Van Cleve....Your brain has little programs coded for all the activities your body performs. If you move both hands in the same motion/pattern like 2 hands patting or your left and right hand both going up a scale on the piano you only need one brain program to be running. But, if you do two different motions (like 1 hand patting and 1 hand rubbing or playing opposite directions on the piano at the same time) you need to run two different brain programs....this requires a little more thought and concentration.