Experiment Application

Participants were divided into two groups. Both groups were given a list of unrelated words to study for five minutes. Then the lists were taken away. After a delay of two more minutes, the participants were asked to write down as many words as they could recall. The only difference between the two groups was that Group 1 had Beethoven’s “Moonlight Sonata” playing during both the learning and recall phases of the experiment, and no music was played for Group 2.

1. Hypothesis:

2. Experimental group:

3. Control group:

4. Independent variable:

5. Dependent variable:

Your Directions: With a partner, come up with a theoretical experiment of your own. Make sure your experiment has all the necessary components- Hypothesis, Experimental Group, Control Group, Independent Variable, and Dependent Variable. Write your experiment (LEGIBLY!) on a piece of notebook paper. In the top right hand corner of your “experiment”, please write the number/sign and color that is on your card, not your names. (i.e. Black 7’s, Red Kings, etc.)

Be sure to create a key that identifies the correct answers for your experiment. (hold on to the key)

While you are creating your experiments, I will collect the cards. Once everyone has finished, I will randomly pick two cards in order to match together two partner pairs.

Once you have been matched, swap experiments with the other partnership. Record below what you think the other group’s answers are to the necessary components of their experiment, and explain why. After both partnerships have come up with what they believe the answers are, discuss your answers as a group to see if you were correct.

Experiment/Group Name:

Hypothesis:

Independent Variable:

Dependent Variable:

Experimental Group:

Control Group: