**Initial Instructions**

**Page 1**

Welcome to the experiment!

Try to relax and find a

comfortable neutral position

before we begin.

**Page 2**

In this task, you will be responding to pairs of letters

as quickly and accurately as possible.

**Page 3**

On each trial, you will:

- See a first letter presented in the center of the screen

- Wait during a long pause

- See a second letter presented in three positions across the middle of the display

You should respond to each letter.

**Page 4**

Your main objective is to detect the letter pair "A-X".

For each pair of letters:

-- Always press button 1 when the first letter appears

-- For the second letter, if and only if the second letter you see on the screen is an X, and the previous letter was an A, press button 2.

If you do not see the A-X pair, you should:

-- Press button 1 when the first letter appears

-- Press button 1 if the second letter you see does not complete the A-X pair

**Page 5**

In some instances, the second letter

will not be a letter at all, but a number.

In these cases, do not press either

button 1 or button 2.

Simply wait for the number to disappear.

**Page 6**

You only have 1 second to respond to each letter,

so you should respond as quickly and accurately as possible.

You may still make a response even if the letter disappears off the screen.

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Here are a few examples to help you

understand the task.

First trial: you see an A, there is a long delay, you see an X.

You should press button 1 when the A appears,

and button 2 when the X appears.

Second trial: you see a B, there is a long delay, you see an X.

You should press button 1 when the B appears,

and button 1 when the X appears.

Third trial: you see an A, there is a long delay, you see a 6.

You should press button 1 when the A appears,

and not respond at all when you see the 6.

**BlockStartInstructions**

In this section of the experiment, you will be asked

to perform five task blocks.

Between blocks you will have the opportunity to take a short break.

**BetweenBlockInstructions**

You may now take a short rest break.

Press Space Bar to continue.