

Emotion, Motivation, and Stress Webquest

Name _____

BEFORE BEGINNING THE WEBQUEST: You are about to watch short videos of twenty different people smiling or fake smiling. Of the twenty, how many do you think you can accurately distinguish fake from real? (Hint: Be wary of the overconfidence effect! ☺) _____

Part I: REAL OR FAKE SMILES? Go to <http://www.bbc.co.uk/science/humanbody/mind/surveys/smiles/>.

1. Of the twenty, how many did you get correct? _____
Scroll down and read the information on the page. What is the first theory given for why people are bad at spotting fake smiles?
2. What facial features can be examined to determine a real smile from a fake one? Be specific. List and describe at least THREE (3).

Part II: THE FAT RAT. Go to <http://bcs.worthpublishers.com/gray/content/psychsim5/launcher.html> and click on “Hunger and the Fat Rat.”

1. How have researchers learned the functions of the hypothalamus? List at least TWO (2).
2. For your first trial, target the rat’s lateral hypothalamus for STIMULATION. What happens to the rat’s eating habits and weight?
 - a. What does this suggest about the function of the lateral hypothalamus?
3. For your second trial, target the rat’s ventromedial hypothalamus for STIMULATION. What happens to the rat’s eating habits and weight?
 - a. What does this suggest about the function of the ventromedial hypothalamus?
4. For your third trial, choose either the lateral or ventromedial hypothalamus. _____
Set the dial to DESTRUCTION. Based on your results from the previous two trials, what do you expect to happen?
5. Conduct the trial. Was your hypothesis correct? _____
6. Click “Finished.” Fill in the chart as it appears on your screen.

	Lateral Hypothalamus	Ventromedial Hypothalamus
Destruction		
Stimulation		

Part III: STRESS. Go to <http://bcs.worthpublishers.com/gray/content/psychsim5/launcher.html> again. This time, click on “All Stressed Out.”

1. Take the “stressor survey.” What are your stress and strain results? Do you feel this is accurate of you?