

PSYCHOLOGY 281 ASSIGNMENT 2 KEY

1A. <Note: I accepted several things for this question

US: cartoons UR: happy
CS: knocking sound CR: happy or

US: cartoon comedy UR: happy
CS: Woody Woodpecker CR: happy or

CS1: Woody Woodpecker CR: happy
CS2: knocking sound CR: happy

1B.

US: injury UR: pain
CS: loud noise CR: stress

1C.

US: caffeine UR: stimulation of central nervous system (CNS)
CS: Starbucks cues CR: depression of CNS

2A.

	Rat 1	Rat 2	Rat 3	Rat 4	Rat 5
Suppression Ratio	0.295	0.447	0.179	0.144	0.215

2B. Rat 4

2C. 0.256

2D. Average. More representative – will generalize better to the overall population of other rats.

2E. Rat 2. Almost no suppression; because morphine reduces pain.

2F. Extinction of CS or Habituation of US.

3A.

Trial	1	2	3	4	5
ΔV_n	7.5	6.375	5.419	4.606	3.915
V_n (or V_{Total})	7.5	13.875	19.294	23.9	27.815

3B.

Trial	1	2	3	4	5
ΔV_n	15.0	10.5	7.35	5.145	3.602
V_n (or V_{Total})	15.0	25.5	32.85	37.995	41.597

3C. $c = 1.0$