

Answers 4.2 Part C 256 - 257 69, 71, 73

69) A) Placebo was harmless leaf

B) The subjects developed rashes on the arm given the harmless leaf (placebo) b/c they thought they were actually given the poison ivy leaf

71) The ratings were not blind b/c the experimenter knew which subject received which treatment. Since the experimenter might have believed that meditation lowers anxiety, that might cause him to subconsciously rate those who meditated as being less anxious.

73) A) Control; There are 2 groups to compare. One group gets acupuncture, the other does not (control group)

Randomization: Half of subjects were randomly assigned to acupuncture group and the other half randomly assigned to control group. This should help balance the effect of lurking variables we cannot control.

Replication: 160 women included to ensure differences in pregnancy rates due to treatments and not chance

B) This means the difference in percent of pregnant women was great enough to conclude that the difference was likely due to treatments instead of chance.

C) Since the study wasn't blind, (the women were aware of what treatment they received), the observed difference may be in part to the placebo effect.