

Activity 3
FRONTIERS Pop-Quiz



Enter correct quizzes in the FRONTIERS Contest [see below!](#)

S T U D E N T :

T E A C H E R :

- 1) What is a placebo?
- 2) True or false? Doctors in the 1930's and 40's knowingly prescribed placebo to patients.
- 3) How many patients with depression feel better on placebo?
 - a) 10%
 - b) 25%
 - c) 40%
 - d) 50%
- 4) Andrew Leuchter compared the brains of depressed patients on placebo and the brains of patients on real antidepressant medication. What surprising result did he obtain?
 - a) people on placebo did not feel as good as people on real medication
 - b) people on placebo experienced a change of brain activity in the same area of the brain that responds to real medication
 - c) people on placebo felt better than people on real medication
 - d) none of these
- 5) What is the problem with the standard treatment for Parkinson's disease?
- 6) When Jon Stoessl compared real Parkinson's treatment to placebo treatment, what surprising result did he obtain?

- 7) Ron Turner is testing the effectiveness of an herbal remedy thought to cure colds. How does he do it?
- 8) When Turner matched up the severity of infections in those given the real substance versus those given the placebo, what did he find?
- a) those on the placebo were less sick.
 - b) those on the real substance were less sick.
 - c) no difference between those on the placebo and those on the real substance
 - d) none of these.
- 9) In the acupuncture study, what is Ted Kaptchuk trying to compare?
- a) the placebo effect of acupuncture versus the placebo effect of pill
 - b) sham acupuncture versus real acupuncture
 - c) acupuncture versus pain medicine
 - d) none of these
- 10) The Italian scientists have found that people given placebo pain killers react how?

NOTE: Only teachers may enter 100% correct quizzes into the FRONTIERS Contest. FRONTIERS will draw one entry randomly after each program. The selected student will receive a [Walkalong Glider](#), signed by [Tyler and Paul MacCready](#). Send all correct quizzes in one envelope, along with teacher's name, grade and course, school name and address, where the students watched the show (home or school), and the students' favorite segment.

Mail to: FRONTIERS Quiz, Chedd-Angier Production Company, 70 Coolidge Hill Rd., Watertown, MA 02472.

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1) What is a placebo?

an inert substance or non-therapeutic action masquerading as medicine

2) True or false? Doctors in the 1930's and 40's knowingly prescribed placebo to patients.

True

3) How many patients with depression feel better on placebo?

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- b) 25%
- c) 40%***
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4) Andrew Leuchter compared the brains of depressed patients on placebo and the brains of patients on real antidepressant medication. What surprising result did he obtain?

- a) people on placebo did not feel as good as people on real medication
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5) What is the problem with the standard treatment for Parkinson's disease?

After several years of therapy, the benefit of the medication wears off before the next does is due.

6) When Jon Stoessel compared real Parkinson's treatment to placebo treatment, what surprising result did he obtain?

The patients' brains responded the same to real treatment as to the placebo treatment.

7) Ron Turner is testing the effectiveness of an herbal remedy thought to cure colds. How does he do it?

Infect a group of people with the cold. Give some the remedy, give some a placebo. Compare the two groups.

8) When Turner matched up the severity of infections in those given the real substance versus those given the placebo, what did he find?

a) those on the placebo were less sick.

b) those on the real substance were less sick.

c) no difference between those on the placebo and those on the real substance *

d) none of these.

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a) the placebo effect of acupuncture versus the placebo affect of pill *

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10) The Italian scientists have found that people given placebo pain killers react how?

Their brains release natural pain killers

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