

## AP Psychology Battle of the Brains

In this documentary, psychologists use many different tests to try to determine who is the most intelligent. The contestants are:

**Susan** – Chess Master  
**Gary** – Jet Pilot

**Alex** - Music Prodigy  
**Nathan** – 162 IQ

**Seth** –  
Quantum Physicist

**Stella** – Artist  
**Bonnie** – Playwright

### The IQ Test

What type of subtests are included on a traditional IQ test?

The idea of a single, overall intelligence is called \_\_\_\_\_.  
From lecture, you know the main researcher associated with this idea is \_\_\_\_\_.

The top IQ scorers were:

- 1.
- 2.
- 3.

### Practical Intelligence – The Bottle

Who came closest to solving it? \_\_\_\_\_

Robert “Bob” Sternberg thinks that what three things make up intelligence?

- 1.
- 2.
- 3.

From lecture, you know that his theory is called the \_\_\_\_\_ theory of intelligence.

### Creativity

What is the first way the psychologists try to determine who is the most creative?

Who did the best on this creativity test? \_\_\_\_\_

Seth explains that being academic runs in his family. Does this support nature or nurture? \_\_\_\_\_

Geneticist Robert Plomin says that \_\_\_\_\_% of the variance in intelligence is due to genes.  
From lecture, you know that this is called \_\_\_\_\_.

What is the second way they try to test creativity?

Who won this test? \_\_\_\_\_

Which creativity test do you think was more **valid** (actually testing creativity)? Why?

What did the brain scan of Nathan’s brain show?

### Emotional Intelligence

Why wasn't emotional intelligence studied by psychologists for many years?

How did the psychologists measure emotional intelligence?

What characteristics do people with higher E IQ have?

Who had the highest E IQ? \_\_\_\_\_

Do you think emotional intelligence should "count" as intelligence? Why or why not?

What is Howard Gardner's controversial intelligence theory?

### Kinesthetic Intelligence

How are the participants being tested for kinesthetic intelligence?

Of Gardner's eight/nine intelligences, **bodily-kinesthetic** is one of the most criticized. Do you think it is intelligent to be athletic? Why or why not?

Recent research in Scotland shows that IQ correlated with \_\_\_\_\_ and \_\_\_\_\_.

When they retested the 80 year old Scottish people, most of them showed improved intelligence scores. What factors were correlated with the most improvement?

Who were the top two contestants?

- 1.
- 2.

Do you agree that these seem to be the two most intelligent contestants? Support your answer.