Name			
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Date	



# Scientific Method

Read each question and circle the correct answer.

<b>1</b> . (	Galileo	was ai	า Italian	scientist	who	helped	to de	evelop	the
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A. placebo effect.

C. cannon.

B. scientific method.

D. Leaning Tower of Pisa.

### 2. The scientific method is a(n)

A. series of steps scientists use to answer questions and investigate problems.

B. experiment done using two variables.

C. way of dividing test subjects into two groups with one group getting a placebo.

D. way to divide cells during reproduction.

#### **3.** A hypothesis is a(n)

A. kind of placebo.

B. experiment.

C. analysis of test results.

D. tentative explanation for an observation.

## 4. In a controlled experiment, scientists investigate a single

A. placebo.

C. variable.

B. control.

D. cell.

## 5. In a double-blind test, the non-control group receives a

A. hypothesis.

C. control.

B. new medicine.

D. placebo.

	A.	to prevent people from having side effects from the drug	C.	so that everybody in the experiment thinks they took the medicine, but nobody did		
	В.	to keep the cost of the experiment down	D.	so that the subjects and the scientists do		
				not know which group is the control group		
				met knew which group is the control group		
7.	The	e fake pill or medicine taken by members of a con	trol	group is a		
	A.	placebo.	C.	double-blind experiment.		
	В.	hypothesis.	D.	variable.		
8. What must occur for a hypothesis to be considered fully proven?						
	A.	Newspapers must report the event.	C.	Other scientists must repeat the experiment		
	В.	Public opinion must agree with the results.		and get the same results.		
			D.	There must be a specific number of		
				controlled experiments.		
9.	Wh	at is the first step in the scientific method?				
	A.	forming a hypothesis	C.	conducting a controlled experiment		
	В.	asking a question	D.	looking for more support		
10.	Wh	at form do we use to write hypotheses?				
	A.	control-test	C.	yes-no		
	В.	question-answer	D.	if-then		

**6.** Why is a placebo used in double-blind drug test?