

Experimental Variables

Using the word bank, match the following clues up with the correct parts of the scientific method!
Spelling DOES count!!

Word Bank		
Question	Observation	Hypothesis
Dependent	Independent	Constants

Clues	Parts of Scientific Method
The result I am looking for is how quickly the cheese starts to grow mold.	
What would cause the sliced cheese to mold while the cubed cheese doesn't get moldy?	
We bought a block of sliced and unsliced cheese on the same day. The sliced cheese got moldy faster.	
I used the same types of cheese, the same refrigerator, the same hand touching them, they were bought on the same day, and there is the same amount of cheese in each sample.	
The one thing I changed between each experimental group is how often I touched them.	
If the cheese is touched more often, then it will grow mold faster, because of the bacteria on people's hands.	

Read the following questions and identify the independent, dependent, and constant variables.

1. How does the size of a ball affect the number of bounces?

Independent Variable:



Dependent Variable:

Constants:

2. Do white candles burn faster than colored candles?

Independent Variable:



Dependent Variable:

Constants:

3. Do skittles melt faster than M & M's?

Independent Variable:



Dependent Variable:

Constants:

4. How does the kind of cookie affect how long it floats in milk?

Independent Variable:



Dependent Variable:

Constants:

5. Does the texture of a surface affect how high a ball will bounce?

Independent Variable:



Dependent Variable:

Constants: