

Name _____ Pd. _____

Spontaneous Generation - Scientific Method

Step 1:

Problem / Question	<i>Do microbes (bacteria / fungus) arise spontaneously?</i>
Control Group	
Independent Variable	
Dependent Variable	

Step 2:

Form a hypothesis: If _____ then _____

_____.

Step 3:

Conduct the Investigation: Draw a model (and label important parts) of the experiment.	
Test Tube A	Test Tube B

Create a data table to record observations..

**Your instructor will give you the number of days needed for observations.

Step 4: Analyze

	Test Tube A	Test Tube B
Bacteria / Fungus Present	Yes or No	Yes or No
Identify the evidence that supports the answer above		
Scientifically, how and why did this		

Step 5: Conclusion

Scientific conclusion to the original question: *Do microbes (bacteria/fungus) arise spontaneously?*

**The answer will be assessed on the following: accurate, specific, scientific, and thorough

**Describe the relationship between the investigation and the characteristics of life.

Step 5: Conclusion

Scientific conclusion to the original question: *Do microbes (bacteria/fungus) arise spontaneously?*

**The answer will be assessed on the following: accurate, specific, scientific, and thorough

**Describe the relationship between the investigation and the characteristics of life.

