Name \_\_\_\_\_\_\_ Date Period

**RESPIRATION LAB**

I PROBLEM:

II HYPOTHESIS:

III MATERIALS: 5 baby food jars, red liquid, yeast solution, guppy, paper clip, straw

IV PROCEDURE:

1. Fill each jar with 50mL red liquid.
2. Label jars 1, 2, 3, 4, and 5.
3. Record the starting color of liquid for each jar in the observation table.
4. Add the following to each jar:
5. Nothing
6. Breath (blow through straw for 2 minutes)
7. 1 guppy
8. 10 drops yeast solution
9. 1 paper clip
10. Wait 15 minutes
11. Record color of liquid in each jar.

V OBSERVATIONS and DATA

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Jar** | **1** | **2** | **3** | **4** | **5** |
| What was added |  |  |  |  |  |
| Color at start |  |  |  |  |  |
| Color of liquid after 15 minutes |  |  |  |  |  |
| Color of liquid in Jar 2 after 2 minutes |  |  |  |  |  |

VI CONCLUSIONS

1. Is your hypothesis supported by your data? Why or why not?
2. What was the purpose of jar1?
3. Which things gave off CO2?
4. Which things did not give off CO2?
5. What process in living things causes CO2 to be given off?
6. Which of the following things give off CO2 ?
7. tree b. bicycle c. fly d. shoe