

Name

## Bacteria in Milk Worksheet

1. Make a prediction about the amount of bacterial activity in the different milk samples and draw a simple bar graph showing your predicted color of the resazurin dye in each sample.



2. Explain your predictions for each test tube.

Tube A:

Tube B:

Tube C:

3. Record your actual results in a bar graph below:



- 4. Compare the graphs in #1 and #3. Explain any differences between the actual results and your predictions.
- 5. Why were the test tubes incubated for 30 minutes?
- 6. Which test tube(s) acted as a control in this experiment? Explain.
- 7. Evaluate this experiment. What things were done to make this a fair test? What could be done to improve this lab?

© 2018, Flinn Scientific, Inc. All Rights Reserved. Reproduction permission is granted from Flinn Scientific, Inc. Batavia, Illinois, U.S.A. No part of this material may be reproduced or transmitted in any form or by any means, electronic or mechanical, including, but not limited to photocopy, recording, or any information storage and retrieval system, without permission in writing from Flinn Scientific, Inc.