

Name \_\_\_\_\_

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

### THE CHECKS LAB WORKSHEET<sub>3</sub>

1. Tentative Explanation #1:

2. Tentative Explanation #2:

3. Tentative Explanation #3:

4. Final Tentative Explanation:

#### Questions for Discussion:

1. What bits of information on the checks were **valuable** to your group in formulating a tentative explanation?
2. What information was **useless**?
3. List any **misleading** information that was presented.
4. Why do we say that an explanation in science is "**tentative**"?
5. What 's another word for a "**tentative explanation**"?
6. Could your **hypothesis** become a **theory**? If so, how?
7. What's the difference between a **hypothesis** and a **theory**?
8. Is your final hypothesis "**correct**"? Explain.
9. How could you "**test**" your hypothesis – i.e., what could you do to show your hypothesis is *not* correct?
10. Besides its being **tentative** and scientists **collaborating**, what other characteristic of science not often realized did you experience?