Name

Date

Period

*Scientific Method using The Checks*

1a) What **observations** can you make about the checks?

1b) Your team’s 1st **hypothesis** on what happened (with four checks)-

2a) What additional **observations** can you make about the checks?

2b) Your team’s 2nd **hypothesis** on what happened (with six checks)-

3a) What additional **observations** can you make about the checks?

3b) Your team’s 3rd **hypothesis** on what happened (with eight checks)-

4) List one **question** to ask about the checks or the event(s) behind the checks?

**5) Formulate a hypothesis**- From your three hypotheses above formulate one overall hypothesis about the events that circle around these checks.

**6) Test the hypothesis**- What factors/things are you comparing or organizing to come up with your hypothesis? (Make sure you have facts for support.) Some questions to consider: Does your timeline flow? Are your key players the same? What places are the checks written to?

**7) Analyze the results-** Once you have completed ALL of the above questions, you and your neighbor group will verbally share both of your hypotheses on what may have occurred. Your hypothesis may be different and may include different observations. (Sometimes in science we don’t gather all of the necessary information and end up with incomplete results.)

**8) Conclusion**- Finalize your results. Don’t forget to use evidence to support your conclusion. After sharing with your neighbor group, possibly rearranging any evidence, come to a finalized statement that accepts or rejects your original hypothesis.

9) Could your hypothesis become a **theory**? (Theory- something proven true)

\*Extra Points for those groups who use “additional” pieces of support, such as a data table, flow chart, or diagram.