

Name: _____ Date: _____

Practice with the Scientific Method

The scientific method has the following steps:

1. Ask a question
2. Form a hypothesis
3. List materials needed
4. Decide the steps in the procedure
5. Perform the experiment
6. Analyze the results
7. Draw a conclusion

In 1872 a wealthy railroad tycoon named Leland Stanford (Stanford University is named after him) made a bet with a friend about a galloping horse. Put the step number next to each step of the scientific method for this problem.

_____ Mr. Stanford proposed that the hooves of a galloping horse don't touch the ground at some point in time during the gallop.

_____ Before there were digital cameras the film in the camera needed to be developed into pictures.

_____ A racehorse, a jockey and a camera

_____ Some of the pictures showed that the horse's hooves were all in the air at the same time.

_____ Leland Stanford made a bet that the hooves of a galloping horse don't touch the ground at some point in time.

_____ Mr. Stanford decided to ask a photographer to take pictures of a horse galloping at the racetrack.

_____ The jockey rode the galloping horse around the racetrack.

_____ Mr. Stanford looked at the pictures the photographer brought him.