FLINN SCIENTIFIC

Name_____

Bowling Ball Pendulum Worksheet

1. Predict what will happen when the bowling ball is released from the tip of the participant's nose and then returns.

2. Describe what happened during the pendulum's swing. Did the bowling ball return to the tip of the nose? Did the bowling ball rise higher or lower than its original height? Did the result support your prediction from Question 1?

3. At what location(s) along the pendulum's arc does the bowling ball have the most potential energy? At what location(s) does the bowling ball have the most kinetic energy?