Station 1: Bowling
Set up the pins. Each person rolls/bowls two balls to try to knock down all of the pins. Set the pins back up and rotate players. DO NOT GO PAST THE FOUL LINE!

Questions:
1. What happens if you leave the ball alone for A LONG TIME?

2. What causes the ball to move?

3. Describe the path the ball \textit{initially} travels in (straight or crooked).

4. What cause the ball to eventually stop?

5. What would happen if the bowling 'lanes' were made out of carpet instead of waxed wood?
Station 2: Basketball
Play a game of HORSE using the foam basketball and the basketball hoop. In HORSE, if a shot is made then the next shooters must make the same shot or they receive a letter from the word HORSE. The last person to spell HORSE is the winner.

Questions:
1. What happens if you leave the ball alone for A LONG TIME?

2. What causes the ball to move?

3. Describe the path the ball initially travels in (straight or crooked).

4. What cause the ball to eventually stop?

5. What causes the ball to fall back towards the ground (why does it not keep flying forever once you shoot it)?
Station 3: Hockey

A net has been taped off on the floor. One player is designated as the goalie and the other is the shooter. The shooter must try to get the puck past the goalie to score. DO NOT take slap shots.

Questions:
1. What happens if you leave the puck alone for A LONG TIME?

2. What causes the puck to move?

3. Describe the path the ball *initially* travels in (straight or crooked).

4. What cause the puck to eventually stop?

5. What would happen if hockey were played on grass instead of ice?
Station 4: Billiards

Place a sheet of paper in the bottom of the box. The paper must lie flat in the box. Cut the paper to fit. Draw an X in the center of the paper. Place the marble in the watered-down paint (don’t use too much paint or the marble will not roll). Hold the PVC pipe at an angle and rest the end on the bottom of the box (so the marble will not bounce). Release the marble from the top of the PVC pipe, letting it roll through the pipe and into the box. The marble should leave a painted-trace of its path. TRY TO GET THE MARBLE TO HIT THREE SIDES OF THE BOX AND THEN LAND ON THE X.

Questions:
1. What happens if you leave the marble alone for A LONG TIME?

2. What causes the marble to move?

3. Describe the path the ball initially travels in (straight or crooked).

4. What cause the marble to eventually stop?

5. What would happen if billiards were played on ice instead of a felt covered table?
Station 5: Ping-Pong

Challenge your lab partners to a friendly game of Ping-Pong.

Questions:
1. What happens if you leave the ball alone for A LONG TIME?

2. What causes the ball to move?

3. Describe the path the ball *initially* travels in (straight or crooked).

4. What cause the ball to eventually stop?

5. What causes the ball to fall back towards the table (why does it not keep flying forever once you hit it)?
Stations 6: Golf

Place the golf ball at the mark and use the golf club to try to get the ball into the putt-returner. Make sure everyone gets a turn!

Questions:

1. What happens if you leave the ball alone for A LONG TIME?

2. What causes the ball to move?

3. Describe the path the ball initially travels in (straight or crooked).

4. What cause the ball to eventually stop?

5. What would happen if golf were played on ice instead of grass?
Station 7: Soccer

A net has been taped off on the floor. Kick the ball (GENTLY) from any place behind the penalty line in order to score a goal. Have someone play goalie to stop the shot.

Questions:
1. What happens if you leave the ball alone for A LONG TIME?
2. What causes the ball to move?
3. Describe the path the ball *initially* travels in (straight or crooked).
4. What cause the ball to eventually stop?
5. What would happen if soccer were played on ice instead of grass?