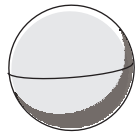
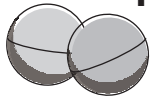


HEAD-ON HIT

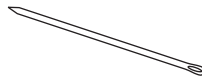
YOU NEED



Ping-pong ball



Small rubber balls

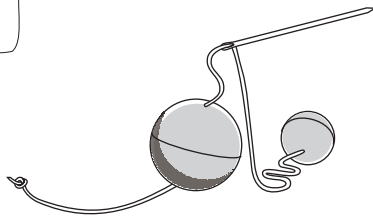


Needle

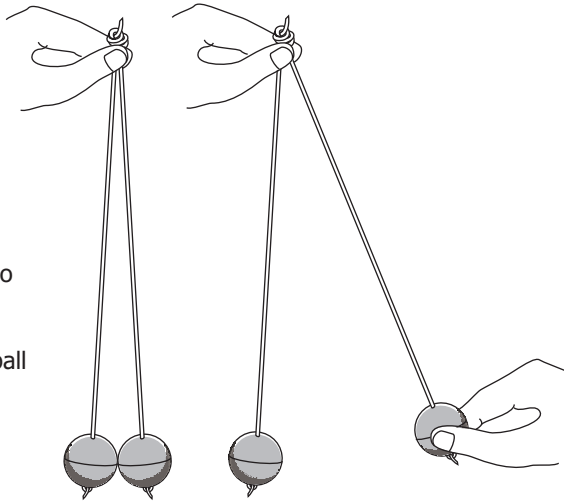


Thread

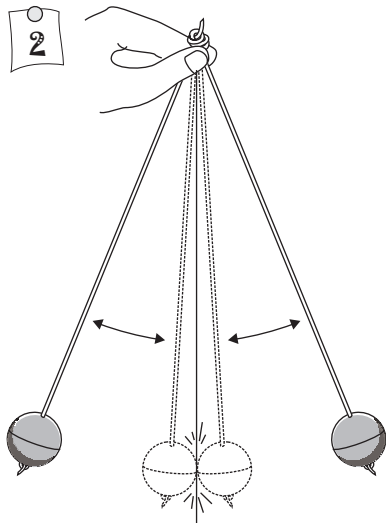
1



Tie two rubber balls (crazy balls) at the two ends of an 80-cm long thread. Hang the balls from the middle of the thread. The balls must touch each other. Pull out one ball and let it go.

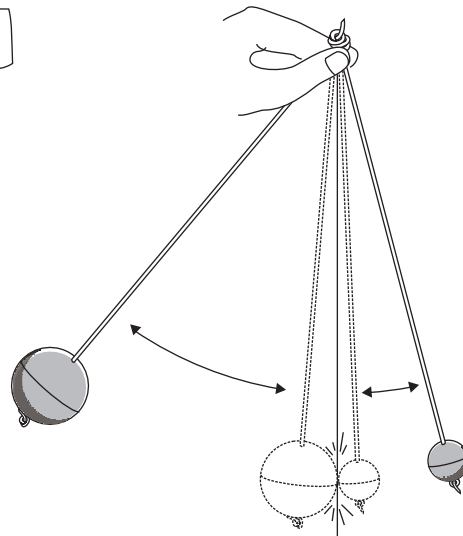


2



The balls will strike and being the same weight they will bounce back the same distance.

3



Try with a light Ping Pong Ball and a heavy rubber ball. After impact the Ping Pong Ball will go very far. This is because of conservation of momentum.