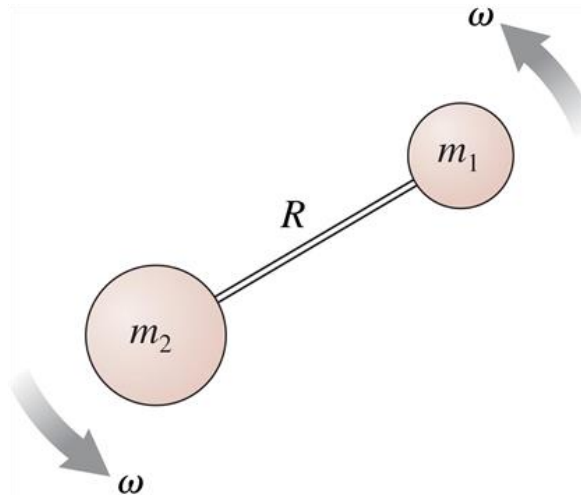**Answer on Question #41439 – Physics - Mechanics | Kinametics | Dynamics**

A system of two point masses connected by a rigid massless rod and set into rotation about an axis through the rod joining the particles is called ---------
a. couple
b. dumbbell
c. gyroscope
d. torque

Solution:

     In mechanics, a **couple** is a system of forces with a resultant moment but no resultant force. The resultant moment of a couple is called a **torque**.

     Dumbbell - two masses that are connected by a rod.

     A **gyroscope** is a spinning wheel or disc in which the axle is free to assume any orientation.

     Thus, the correct answer is b.

Answer: b. dumbbell.