

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

QUEST Class Superhero Physics Formative Review:  Answer these questions to see how much you’ve learned so far from your peers.  (You may use your notes.)

1. How are displacement and motion different?
2. Explain how we know that magnetism is a non-contact force.
3. What causes static discharge?

1. If Batman throws a Batarang a distance of 20 meters, what is its speed if it takes 0.5 seconds to cover the distance?  
2. How much time does it take for the upgraded batarang flying at a speed of 50 m/s to travel a distance of 1.5 km? [Hint: Speed is measured in meters per second-- not kilometers per second-- in this problem.]