

**THE MECHANICAL UNIVERSE**

**Video 9 - Moving in Circles**

**Name:** \_\_\_\_\_

**Class:** \_\_\_\_\_

1. What did Plato believe about motion in the heavens?
2. What does the word “planet” mean?
3. Why were planets viewed as deceitful?
4. What two components can circular motion be viewed as having?
5. Explain how a body can be accelerated even though its speed is constant:
6. What are two ways in which a vector can change?
7. In which direction does centripetal acceleration point?
8. Describe Newton’s disposition (create a short list):