

**THE MECHANICAL UNIVERSE**  
**Video 11 - Gravity, Electricity, Magnetism**

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

1. What do all great physicists have in common?
2. How far is the nearest star beyond the sun?
3. What is a light-year?
4. What large object did Cavendish weigh?
5. What is unique about magnetic poles?
6. Who invented the electric battery?
7. What is the value of the magnetic constant?
8. How are  $K_e$  and  $K_m$  related?
9. When was the telegraph invented?