

# The Physicist

**Instructions: Please put all answers in numerical form.**

[Click on any image to open a larger version in a new tab]

1. Mass = 🍄, Acceleration = 🐉, Force = ???

2. Distance = 🍄, Acceleration = 🦊, Time = ???  
(assume starting from rest)

3. Mass = 🍄, Velocity = 🐉, Kinetic Energy = ???

4. Mass = 🦊, Gravity = ( 🦊 / 🦊 ), Height = 🦊, Potential Energy = ???

5. Resistance 1 = 🦊, Resistance 2 = 🦊, Total Resistance = ???  
(assume wired in parallel)

6. Current =  $\sqrt{\text{🦊}}$ , Voltage = 🦊, Power = ???

7. Velocity = ( 🦊 + 🐉 ), Wavelength = ( 🍄 + 🍄 ), Frequency = ???

8. Momentum = 🦊, Mass = 🐉, Velocity = ???

9. Velocity = 🦊, Centripetal Acceleration = 🐉, Radius = ???

10. Force = 🦊, Distance = 🐉, Angle = 🐉°, Work = ???