NOTES: Particle equilibrium

EQUILIBRIUM of A PARTICLE

WHAT IS A PARTICLE?

       • HAS _____ BUT NO _____

       ∴ ALL _____ ACT THROUGH A _____.

AND SO SOMETIMES WE HAVE PARTICLES

¿IS THE EARTH A PARTICLE?

DEPENDS ON _____.

FOR EQUILIBRIUM

$$\sum \vec{F} = m \frac{d\vec{v}}{dt}$$

       ≡ _____ (DEFINES EQUILIBRIUM)

SOL'N TECHNIQUE

  1. IDENTIFY _____ ⇨ [   ]

    2. "___" CABLES & REPLACE W/ _____

    b. "_____" SUPPORTS & REPLACE W/ _____

    c. SHOW _____ AS DOWNWARD FORCE.

2. WRITE _____ of _____ ; IN
   COMPONENT FORM THESE ARE

$$\sum \qquad =$$

$$\sum \qquad =$$

$$\sum \qquad =$$

3. SOLVE THE EQUATIONS!
   MAKE SURE

   a. $\qquad =$

   b. EQUATIONS ARE _____ .