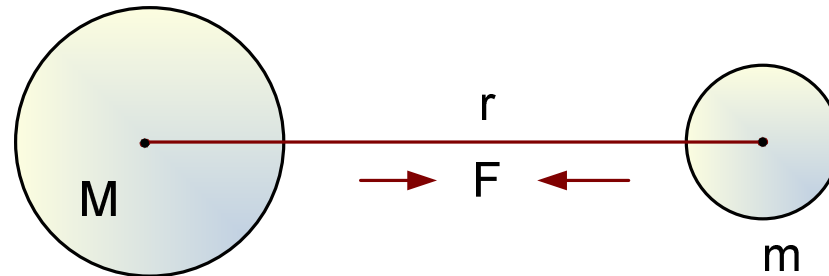


ORBIT

A PATH OF ONE BODY IN REVOLUTION
AROUND ANOTHER BY GRAVITY!

ORBITS ARE CAUSED BY NEWTON'S LAW OF
UNIVERSAL GRAVITATION:

$$F = \frac{Mm}{r^2}$$



WHERE:

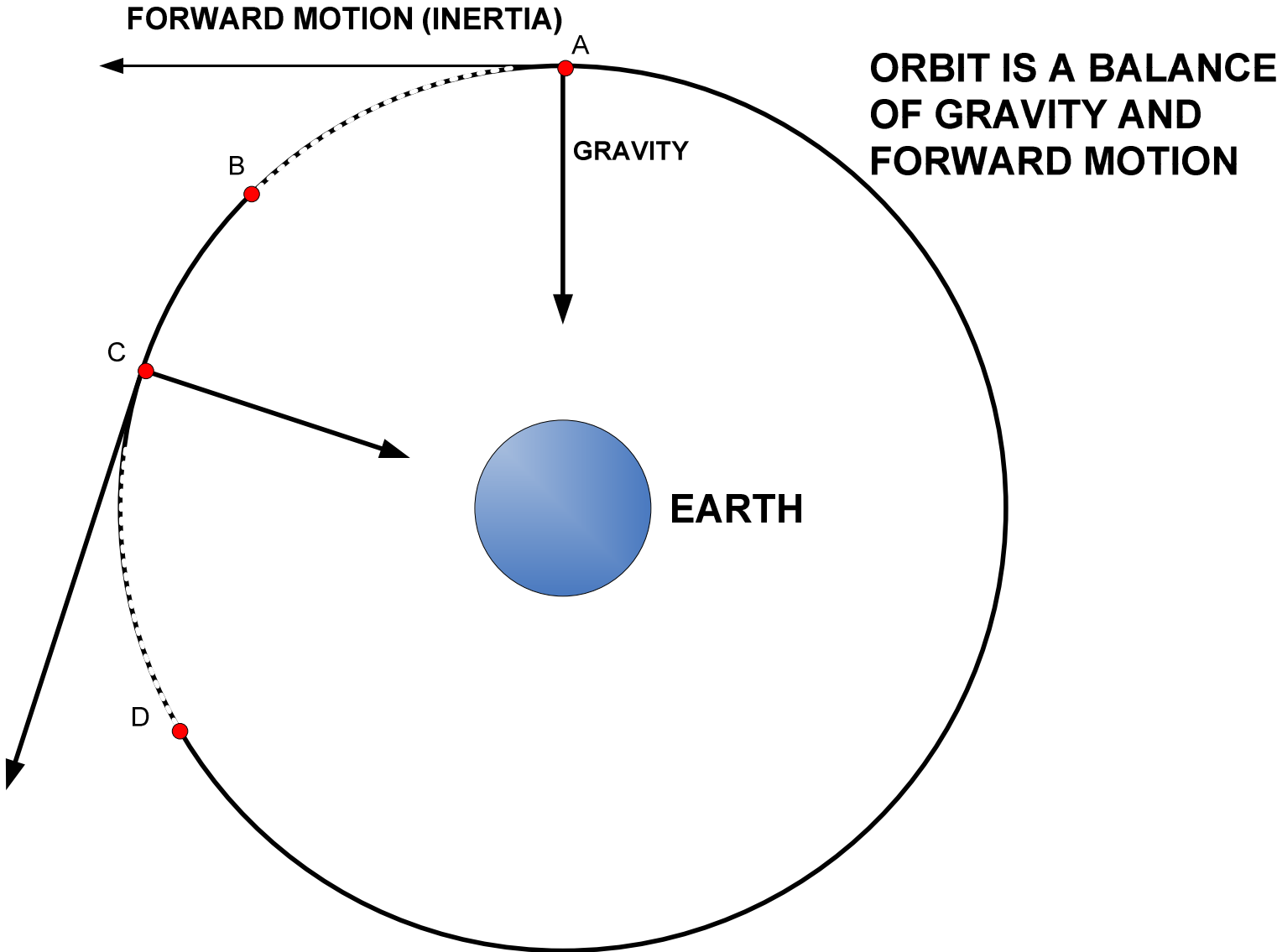
F = FORCE BETWEEN TWO BODIES

M = MASS OF FIRST BODY

m = MASS OF SECOND BODY

r = RADIUS (DISTANCE) BETWEEN m AND M

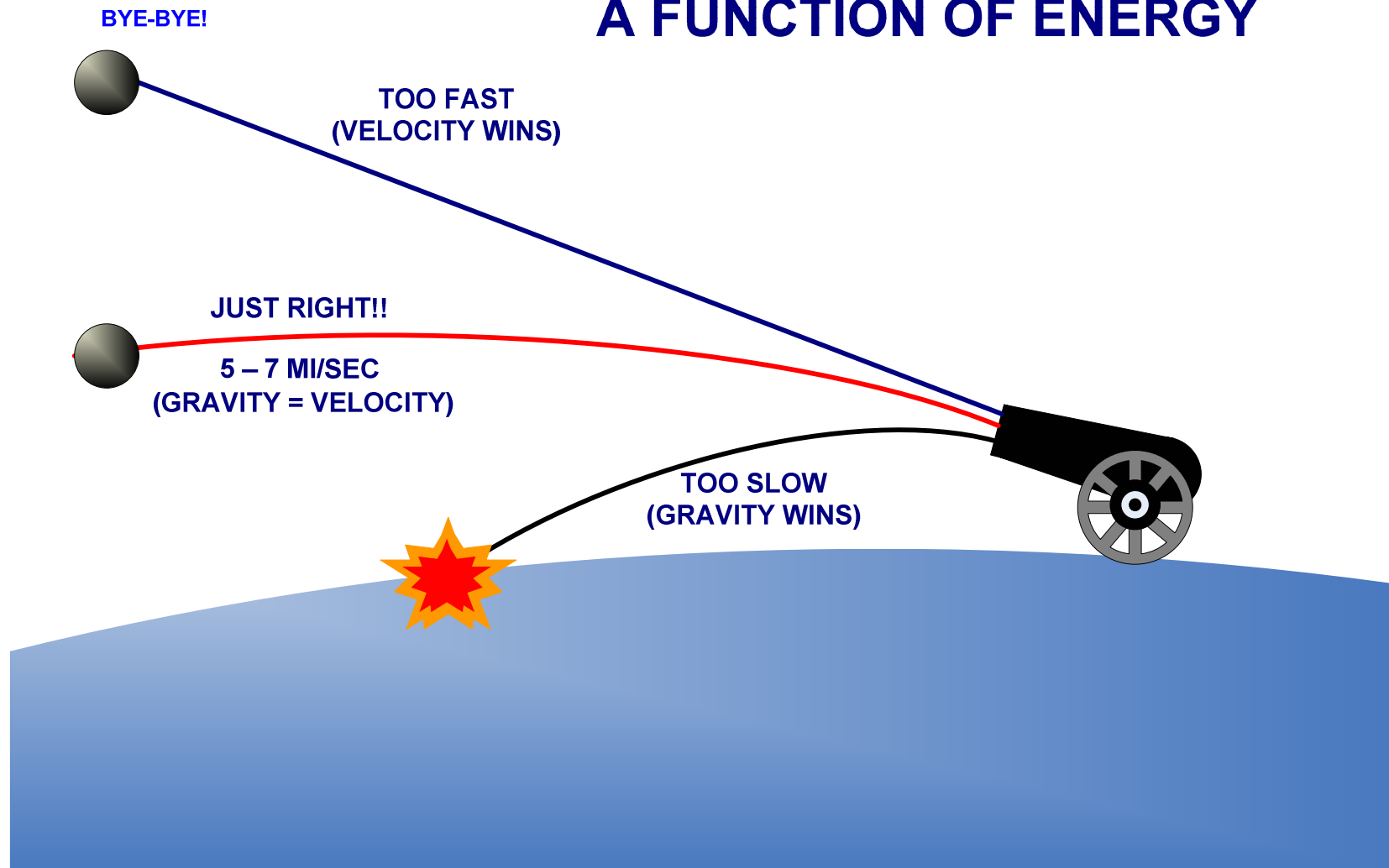
WHAT MAKES AN ORBIT?



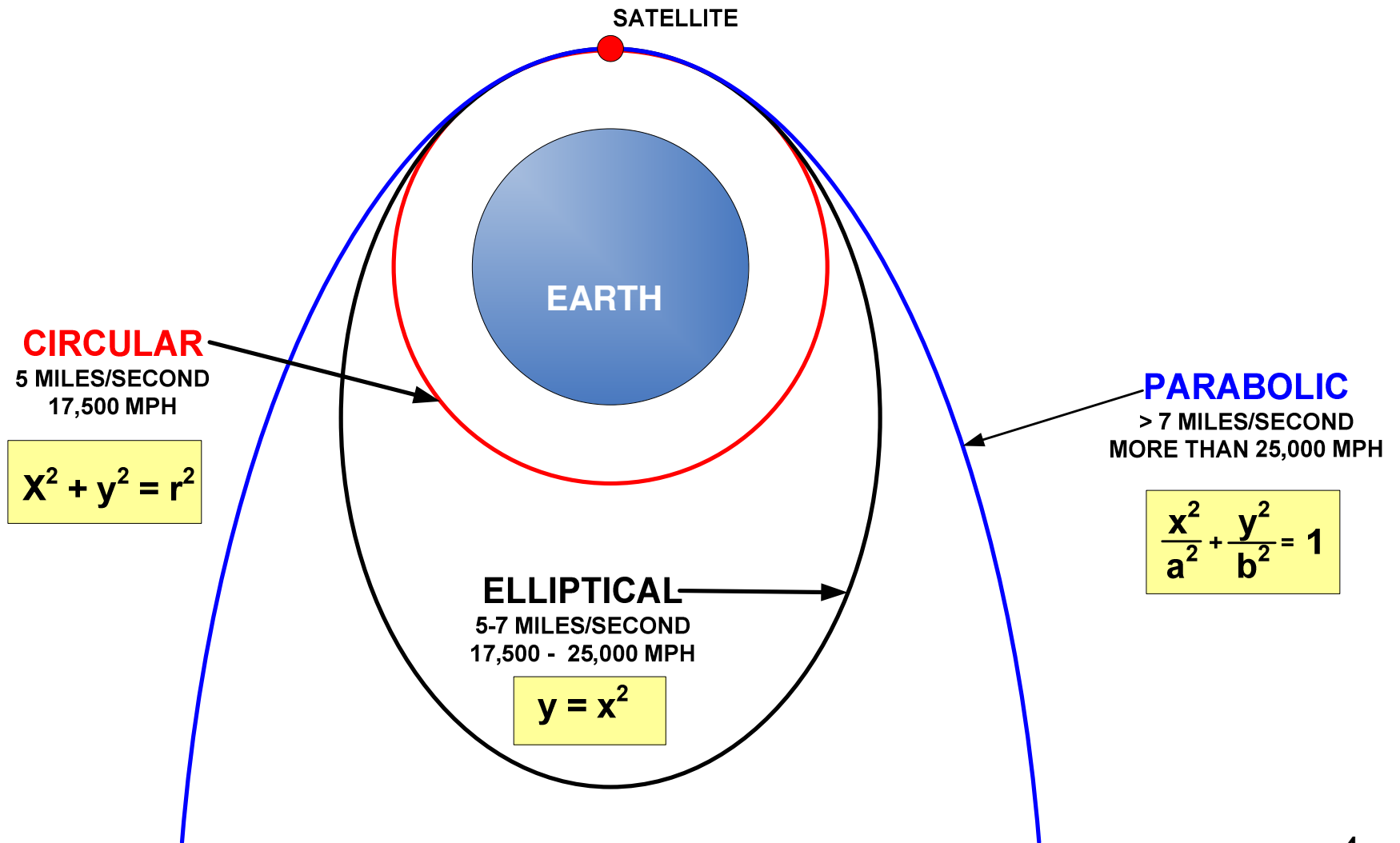
**ORBIT IS A BALANCE
OF GRAVITY AND
FORWARD MOTION**

HOW TO GET INTO ORBIT

A FUNCTION OF ENERGY



TYPES OF ORBITS



WHAT IS AN ELLIPTICAL ORBIT?

