TWO-BODY PROBLEMS

To solve a problem with two objects that are influencing each other, you may need to draw free body diagrams for both, and use Newton's 2nd Law for both objects to solve.

You'll end up with a system of equations to solve.



The Atwood Machine



The Atwood Machine - Question

Let W_1 be the weight of m_1 , and W_2 be the weight of m_2 . Let the tension of the string be *T*. Assume that $m_1 > m_2$.

Which of the following is the correct free body diagram (force diagram) of m_1 ?

