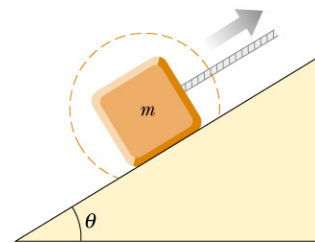
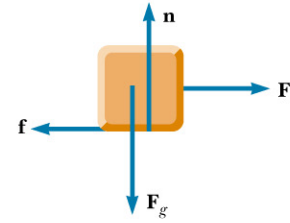
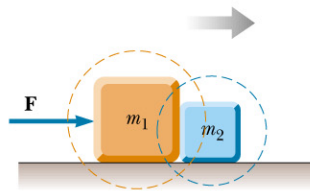
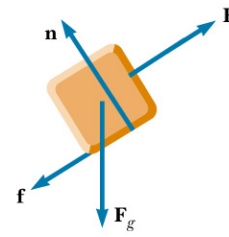


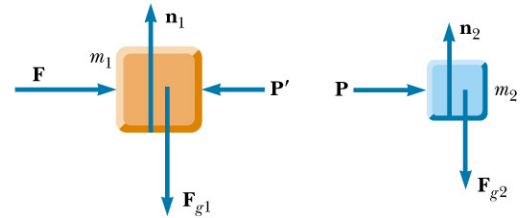
A block pulled to the right on a rough horizontal surface



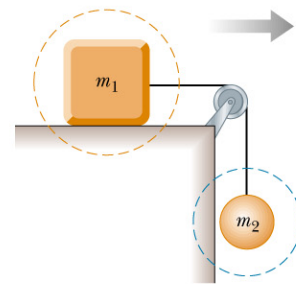
A block pulled up a rough incline



Two blocks in contact, pushed to the right on a frictionless surface



Note: $\mathbf{P} = -\mathbf{P}'$ because they are an action–reaction pair



Two masses connected by a light cord. The surface is rough, and the pulley is frictionless.

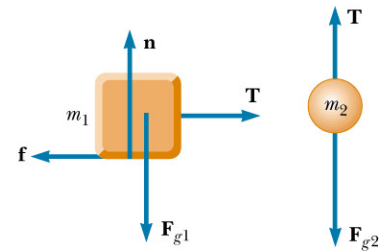


Figure 5.23 Various systems (*left*) and the corresponding free-body diagrams (*right*).