## 7. JUST FOR THE FUN OF IT

## **Falling without Air Friction**

	he lab, you will find a clear cylindrical tube containing a feather and a coin. Flip the tube ally, to determine which falls faster: the feather or the coin.
2.	Next, use a vacuum pump and a hose to evacuate the cylindrical tube. Repeat the same experiment as in (1) above. In the evacuated tube, which falls faster: the feather or the coin?
	[a] Does the acceleration during free fall depend on the mass of the falling object?
	[b] Does the force on a mass during free fall depend on the mass of the falling object?