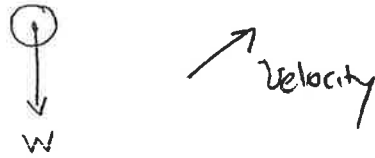


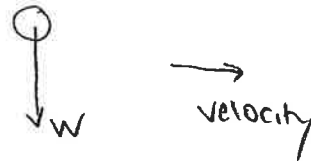
EX 23.1 (Free body diagrams & projectiles)

For a projectile fired upward at 45° , in the absence of air resistance:

1. On the way up



2. At the peak of its flight



3. And on the way down



The free body diagram is the same. Only gravity acts on the projectile, causing it to accelerate downward.