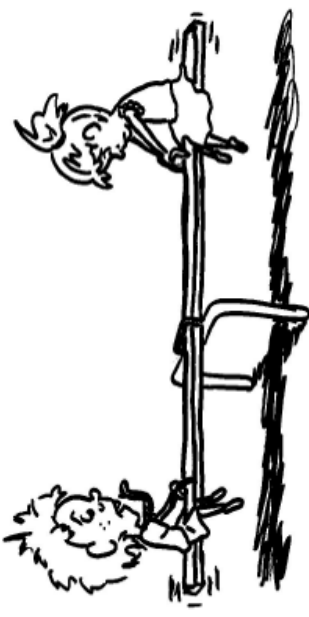


# Final Exam

## Part 2: Equilibrium

Question 1: How does the image represent the idea of equilibrium?



Question 2: How does this image represent a static state?



Question 3: How does this image represent a dynamic state?



# Final Exam

## Answer Key

### Part 2: Equilibrium

Question 1: How does the image represent the idea of equilibrium?

By definition equilibrium occurs when all forces or processes are in balance and there is no resulting change in the state of matter. Since the see-saw is perfectly balanced, there is no change in the state of matter involving the individuals on the see-saw or the see-saw itself.)



Question 2: How does this image represent a static state?



By definition, a state of matter in which an object is motionless or in which forces act without causing movement is a static state. Even though force is applied, the stone did not move.

Question 3: How does this image represent a dynamic state?



A dynamic state involves forces that produce motion. By leaning against the stone, the child is producing a force that caused the stone to move.