

Name: _____ Block: _____ Date: ____/____/____

Identifying Interactions

Adapted from Minds on Physics: Inquiry Activity #42

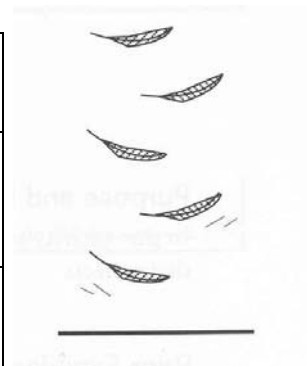
Goal:

- ✓ In this activity you will learn to identify the interactions between objects and to describe their effects.

Part A: Exploring Situations Having Two Interactions

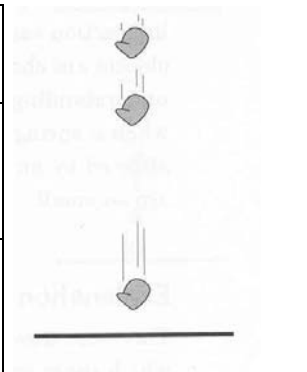
1. A feather falls to the ground.

Agents (objects) interacting with the feather.	How would the behavior of the feather be different if the agent's effect was removed?



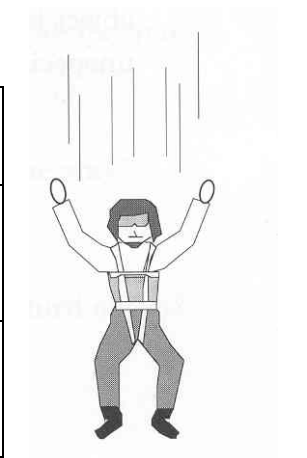
2. A rock is released from rest, 1m above the Earth.

Agents (objects) interacting with the rock.	How would the behavior of the rock be different if the agent's effect was removed?



3. A skydiver is falling toward the Earth.

Agents (objects) interacting with the skydiver.	How would the behavior of the skydiver be different if the agent's effect was removed?



Part B: Exploring Situations Having More Than Two Interactions

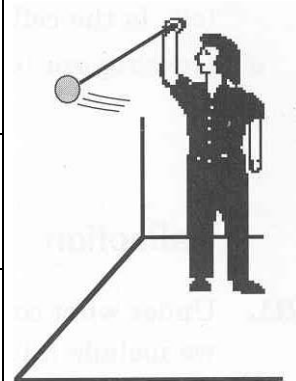
4. A Skydiver falls to the Earth with her parachute opened.

Agents (objects) interacting with the skydiver.	How would the behavior of the skydiver be different if the agent's effect was removed?



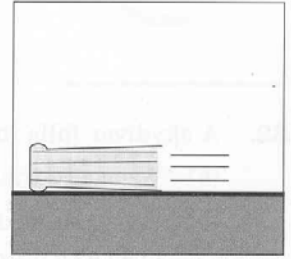
5. A ball is tied to a string then it is swung in a horizontal circle. (Like tetherball.)

Agents (objects) interacting with the ball.	How would the behavior of the ball be different if the agent's effect was removed?



6. A book slides across the floor before coming to rest.

Agents (objects) interacting with the book.	How would the behavior of the book be different if the agent's effect was removed?



7. A coffee mug sits on a table with a giant dictionary on top of it.

Agents (objects) interacting with the mug.	How would the behavior of the mug be different if the agent's effect was removed?

