

# DAMPED HARMONIC MOTION

When a periodic or oscillating motion is slowed down by a force, often friction, it is known as damped harmonic motion. The motion can either be damped out quickly, slowly, or hardly at all. Everyday we see damping occurring. Walk around Lagoon and identify at least two examples each of underdamping, critical damping, and overdamping. Define each term and draw the graph of each scenario as well.



## **Underdamping**

Definition: \_\_\_\_\_

Examples

Graph

## **Critical Damping**

Definition: \_\_\_\_\_

Examples

Graph

## **Overdamping**

Definition: \_\_\_\_\_

Examples

Graph