

# Activity 1

- Give out blue and white neck cards:
  - ▶ 8 Raindrops
  - ▶ 1 Farmer
  - ▶ 4 Cattails
  - ▶ 1 Mouse
  - ▶ 1 Muskrat
  - ▶ 1 Eagle
- Give Farmer 8 blue paper clips (these represent pesticide)
- Have each Raindrop attach to a paper clip. Rain dissolves pesticide and carries it to the marsh
- 4 Cattails drink 2 Raindrops - Now each Cattail has 2 paper clips
- Mouse eats 1 Cattail and Muskrat eats 3 Cattails. Pass along the paper clips
- Eagle swoops down and eats the Mouse. But he's still hungry, so he swoops down again and eats the Muskrat
- Eagle begins to get sick and then dies
- Explain the Eagle-death mystery. He ate 2 animals from King's Folly Marsh. Explain bioaccumulation by talking about the food chain

## Activity 2

- Give out red and white neck cards:
  - ▶ 8 Raindrops
  - ▶ 1 Farmer
  - ▶ 8 Shellfish
  - ▶ 4 Minnows
  - ▶ 2 Bass
  - ▶ 1 Boy
- Give Farmer 16 red paper clips (these represent pesticide)
- Have Farmer carefully distribute pesticide over the land/field
- Have each Raindrop attach to 2 paper clips. Rain dissolves pesticide and carries it to the marsh. Rain becomes part of the water in the marsh
- 8 Shellfish filter feed from water/raindrops - Now each Shellfish has 2 paper clips
- 4 Minnows eat 2 Shellfish. Pass along the paper clips
- Minnows swim into Johnstown River
- Each Bass eats 2 Minnows collecting 8 paper clips

- Boy goes fishing and catches 2 Bass. Eats them for dinner. Has all 16 paper clips