## 4.2 Energy Flow

## **Feeding Patterns** Define trophic level Use the following animals (and any type of plant matter) to construct three food chains with four levels Food Chain: Food Chain: ..... Food Chain: Differentiate between a food chain and a food web State what an arrow represents in a food chain or food web Distinguish between herbivores, carnivores and omnivores

Construct a food web from the following information (including trophic levels occupied per organism)

- Red foxes feed on raccoons, crayfish, grasshoppers, red clover, meadow voles and squirrels
- Red clovers are eat by grasshoppers, muskrats, red foxes and meadow voles
- Meadow voles, squirrels and raccoons all eat parts of the white oak tree
- Crayfish feed on green algae and detritus, and they are eaten by muskrats and red foxes
- Raccoons feed on muskrats, meadow voles, squirrels and white oak

Energy Transfer
State the initial source of energy for almost all communities
How efficient are most biological energy transformations?

	ch energy may be lost from o	-		
Describe the flow of en				
With the aid of the foll wolve reindeer	owing diagrams, explain the		fox rabbits	nergy
moss		grass	itts	
State the units of meas	surement used in a pyramid (	of energy		
Define biomass				