**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Food Chains and Trophic Levels: PRACTICE**

**1.** The organisms below are commonly found in New Hampshire *freshwater* habitats. Below, draw a **food chain** showing the likely order of consumption. Make sure you leave some space for to add items from the questions following.

*Ospreys (big birds of prey that eat fish) Zooplankton Minnows (tiny fish)*

*Phytoplankton Sunfish (medium-sized fish)*

**2.** Now go back to your food chain from the question above and label each level of your food chain with the appropriate term:

*Primary producer Primary consumer Secondary consumer*

*Tertiary consumer Quaternary consumer/apex predator*

**3.** In your food chain, label an herbivore and a carnivore.

**4.** Double check that your arrows are pointing in the right direction! They should point in the direction that energy is *going*.

*EX: energy moves from grass to cows so…. (grass🡪cows NOT cows🡪grass)*

**5.** What **percent** of energy is available for each trophic level as you move UP an energy pyramid? %

**6.** Where is the energy going?

**7.** Using that percentage and the energy pyramid below, calculate the energy available at each level of the pyramid.

25,000 kcal kcal

kcal

kcal

kcal

kcal