Food Web and Ecological Pyramid Review

Name____________________________

1) Draw a food web using the animals below
   a. What do the arrows represent in a food web/chain? (Hint: 2 things)

   b. Draw arrows to represent the following requirements within this ecosystem
      i. Grass is a producer
      ii. Snakes that eat mice
      iii. Toads that eat beetles
      iv. Rabbits, mice, beetles and deer all eat grass
      v. Owls eat mice and toads
      vi. Foxes eat rabbits and mice
      vii. Cougars eat deer
      viii. Eagles eat rabbits, snakes, owls and mice

   c. Label each organism as:
      i. Producer/consumer
      ii. Heterotroph/autotroph
      iii. IF it is a consumer, label as: primary, secondary or tertiary consumer

2) Draw a food chain with the following animals in the following roles.
   a. In addition, label them as producer/consumer AND autotroph/heterotroph
   b. A daisy (flower) is the first trophic level
   c. A local robin gets his energy from caterpillars
   d. The red fox likes to eat robins for dinner! 😊
   e. A caterpillar likes to eat autotrophs.
3) Place the following numbers/words in each of the following pyramids.
   a. Label each pyramid as: energy, biomass or number of organisms

<table>
<thead>
<tr>
<th>Energy</th>
<th>Biomass</th>
<th>Organisms</th>
</tr>
</thead>
<tbody>
<tr>
<td>50,000 kcal</td>
<td>456,000 mice</td>
<td>4500 snakes</td>
</tr>
<tr>
<td>5,000 kcal</td>
<td>500 kcal</td>
<td>500 grams</td>
</tr>
<tr>
<td>45 hawks</td>
<td>5 grams</td>
<td>50,000 grams</td>
</tr>
<tr>
<td>50 kcal</td>
<td>4,560,100 corn stalks</td>
<td>5 million grams</td>
</tr>
</tbody>
</table>